LLNL Livermore Site Second Quarter 2015 Self-Monitoring Report

This quarterly report presents the second quarter 2015 self-monitoring data for the ground water and soil vapor treatment facilities at the Lawrence Livermore National Laboratory (LLNL) Livermore Site. The volumes of ground water and soil vapor treated, and volatile organic compound (VOC) mass removed during the second quarter of 2015 are presented in Tables 1 and 2, respectively. An historical summary of VOC volume and mass removed are presented in Tables 3 and 4, respectively.

Attachment A presents results of ground water treatment facility and extraction well (ground water and soil vapor) VOC, and chromium analyses (Tables A-1 through A-4). During the second quarter of 2015, all effluent sample analytical results were within acceptable discharge limits.

Self-monitoring reports for all treatment facilities are presented in Attachment B. Monthly volumes of ground water extracted are shown in Attachment B; however, instantaneous flow rates are not shown for wells that are now only used for sampling and are not continuously pumped. The monthly volume shown for these wells is the quantity of water evacuated for sampling purposes.

A map showing Livermore Site treatment areas and treatment facility locations, and ground water elevation contour maps showing hydraulic capture zones for hydrostratigraphic units (HSUs) 1B, 2, 3A, 3B, 4, and 5, are presented in Attachment C. The contour maps for the individual HSUs are based on data collected during the second quarter of 2015.

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Table 1. Volumes of ground water and soil vapor extracted and treated at the Livermore Site, April through June 2015.

Treatment Area[a]	Month	Volume of ground water extracted (Kgal)[b]	Volume of vapor extracted (Kcf)[b]
TFA	April	8,384	-
	May	9,228	-
	June	9,901	2
TFB	April	2,540	-
	May	2,529	-
	June	2,751	-
TFC	April	2,852	-
	May	2,589	-
	June	3,171	-
TFD	April	5,301	1,345
	May	4,112	996
	June	4,396	981
TFE	April	2,451	1,067
	May	2,225	989
	June	2,473	982
TFG	April	334	-
	May	336	-
	June	288	-
TFH	April	540	2,647
	May	742	2,611
	June	769	2,924
TOTAL[c]		67,912	14,544

[a] Totals include ground water and soil vapor extracted from the following facilities:
TFA area: TFA, TFA-E
TFB area: TFB
TFC area: TFC, TFC-E, TFC-SE
TFD area: TFD, TFD-E, TFD-HPD, TFD-S, TFD-SE, TFD-SS, TFD-W, VTFD-ETCS
TFE area: TFE-E, TFE-HS, TFE-NW, TFE-SE, TFE-SW, TFE-W, VTFE-ELM, VTFE-HS
TFG area: TFG-1, TFG-N
TFH area: TF406, TF406-NW, TF518-N, TF518-PZ, TF5475-1, TF5475-2, TF5475-3, VTF406-HS, VTF511, VTF518-PZ, VTF5475
TFF started operation in February 1993 for fuel hydrocarbon remediation. In August 1995, the regulatory agencies agreed that the vadose zone remediation was complete, and in October 1996 a No Further Action status was granted for the ground water.

[b] Totals are derived from individual extraction wells shown in Attachment B.

[c] Rounded number.

Kcf = Thousands of cubic feet.

Kgal = Thousands of gallons.

Table 2. VOC mass removed at the Livermore Site, April through June 2015.

Treatment Area[a]	VOC mass removed from ground water (kg)	VOC mass removed from soil vapor (kg)	Total VOC mass removed (kg) [b]
TFA	0.8	0.004	0.8
TFB	0.5	-	0.5
TFC	1.0	-	1.0
TFD	3.8	0.6	4.4
TFE	1.9	0.4	2.3
TFG	0.08	-	0.1
TFH	0.4	4.0	4.4
TOTAL[b]	8.5	5.0	13.5

Table 3. Historical summary of volumes of water and soil vapor removed at the Livermore Site through June 2015.

Treatment Area[a]	Volume of ground water extracted (Mgal)	Volume of vapor extracted (Mcf)
TFA	2,235	0
TFB	542	-
TFC	608	-
TFD	1,243	148
TFE	450	220
TFG	99	-
TFH	191	316
TOTAL[b]	5,368	684

Table 4. Historical summary of VOC mass removed from water and soil vapor at the Livermore Site through June 2015.

Treatment Area[a]	VOC mass removed from ground water (kg)	VOC mass removed from soil vapor (kg)	Total VOC mass removed (kg) [b]
TFA	220	0	220
TFB	87	-	87
TFC	117	-	117
TFD	912	102	1,014
TFE	242	159	401
TFG	13	-	13
TFH	44	1,301	1,345
TOTAL[b]	1,635	1,562	3,197

[a] Refer to Table 1 footnote for facilities in each treatment facility area.
[b] Rounded number.

Abbreviations for Tables 2, 3 and 4:
kg = Kilograms.
Mcf = Millions of cubic feet.
Mgal = Millions of gallons.
VOC = Volatile organic compound.

Attachment A

VOC and Chromium Analyses

Table A-1. VOC analyses of influent and effluent samples by treatment facility.

Sample Station	Date Sampled	Analytic Method	CTET <-	CFORM -	1,1-DCA -	1,2-DCA -	1,1-DCE ug/L (ppb)	1,2-DCE -	Freon 113 -	PCE -	1,1,1-TCA -	TCE -	Freon 11 ->
TFA													
TFA-I001	09-APR-15	E624MOD	<0.5	**0.91**	**0.57**	<0.5	**0.98**	<1	<0.5	**4.9**	<0.5	**0.52**	<0.5
TFA-I001	01-MAY-15	E624MOD	<0.5	**0.96**	**0.59**	<0.5	**1**	<1	<0.5	**4.9**	<0.5	**0.59**	<0.5
TFA-I001	02-JUN-15	E624MOD	<0.5	**0.97**	**0.56**	<0.5	**1**	<1	<0.5	**5.2**	<0.5	**0.53**	<0.5
TFA-E001	09-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TFA-E001	01-MAY-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TFA-E001	02-JUN-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TFA-E[a]													
W-254	20-APR-15	E624MOD	<0.5	<0.5	**0.79**	<0.5	**0.64**	**4.1**	<0.5	**72**	<0.5	**2**	<0.5
TFB													
TFB-I002	02-APR-15	E624MOD	**0.59**	**2.4**	<0.5	<0.5	**1.3**	<1	**3**	**1.2**	<0.5	**12**	<0.5
TFB-I002	04-MAY-15	E624MOD	**0.63**	**2.6**	<0.5	<0.5	**1.4**	<1	**3.6**	**1.3**	<0.5	**13**	<0.5
TFB-I002	01-JUN-15	E624MOD	**0.63**	**2.6**	<0.5	<0.5	**1.4**	<1	**3.5**	**1.3**	<0.5	**14**	<0.5
TFB-E002	02-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TFB-E002	04-MAY-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TFB-E002	01-JUN-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TFC													
TFC-I003	02-APR-15	E624MOD	<0.5	**1.1**	<0.5	<0.5	**0.79**	<1	**9.2**	**3.4**	<0.5	**11**	<0.5
TFC-I003	04-MAY-15	E624MOD	<0.5	**1.1**	<0.5	<0.5	**0.81**	<1	**9.3**	**3.5**	<0.5	**11**	<0.5
TFC-I003	01-JUN-15	E624MOD	<0.5	**1.1**	<0.5	<0.5	**0.79**	<1	**9.2**	**3.7**	<0.5	**12**	<0.5
TFC-E003	02-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TFC-E003	04-MAY-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TFC-E003	01-JUN-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TFC-E													
MTU1-I	09-APR-15	E624MOD	<0.5	**11**	<0.5	<0.5	**0.8**	<1	**13**	**0.91**	<0.5	**8.7**	**3.6**
MTU1-I	13-MAY-15	E624MOD	<0.5	**11**	<0.5	<0.5	**0.78**	<1	**13**	**0.84**	<0.5	**8.3**	**3.8**
MTU1-I	17-JUN-15	E624MOD	<0.5	**12**	<0.5	<0.5	**0.87**	<1	**13**	**0.84**	<0.5	**8.9**	**3.9**
MTU1-E	09-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
MTU1-E	13-MAY-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
MTU1-E	17-JUN-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5

Table A-1. VOC analyses of influent and effluent samples by treatment facility.

Sample Station	Date Sampled	Analytic Method	CTET <-	CFORM -	1,1-DCA -	1,2-DCA -	1,1-DCE ug/L (ppb)	1,2-DCE -	Freon 113 -	PCE -	1,1,1-TCA -	TCE -	Freon 11 ->
TFC-SE													
PTU1-I	02-APR-15	E624MOD	<0.5	**7.8**	<0.5	<0.5	**3.8**	<1	**8.4**	<0.5	<0.5	**21**	**0.7**
PTU1-I	04-MAY-15	E624MOD	<0.5	**5.6**	<0.5	<0.5	**1.7**	<1	**18**	**0.79**	<0.5	**15**	**1**
PTU1-I	01-JUN-15	E624MOD	<0.5	**5.7**	<0.5	<0.5	**1.6**	<1	**16**	**0.81**	<0.5	**14**	**1**
PTU1-E	02-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
PTU1-E	04-MAY-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
PTU1-E	01-JUN-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TFD[b]													
TFD-I004	08-APR-15	E624MOD	**2.1**	**2.2**	<0.5	<0.5	**0.51**	<1	<0.5	**0.55**	<0.5	**41**	**13**
TFD-E004	08-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TFD-E													
PTU8-I	08-APR-15	E624MOD	**3.2**	**1.1**	<0.5	**0.6**	**5**	<1	<0.5	**4**	<0.5	**69**	**0.7**
PTU8-I	01-MAY-15	E624MOD	**4.1**	**1.4**	<0.5	<0.5	**5.1**	<1	**0.55**	**4.6**	<0.5	**71**	<0.5
PTU8-I	02-JUN-15	E624MOD	**3.4**	**1.1**	<0.5	**0.59**	**5.4**	<1	<0.5	**4.6**	<0.5	**70**	**0.68**
PTU8-E	08-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
PTU8-E	01-MAY-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
PTU8-E	02-JUN-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TFD-HPD													
PTU10-I	09-APR-15	E624MOD	**1.5**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	**34**	<0.5
PTU10-I	07-MAY-15	E624MOD	**1.5**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	**34**	<0.5
PTU10-I	16-JUN-15	E624MOD	**1.3**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	**35**	<0.5
PTU10-E	09-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
PTU10-E	07-MAY-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
PTU10-E	16-JUN-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TFD-S													
PTU2-I	08-APR-15	E624MOD	**0.72**	**2.2**	<0.5	<0.5	**3.4**	<1	**1.1**	**5.2**	<0.5	**47**	<0.5
PTU2-I	08-MAY-15	E624MOD	**0.72**	**2.1**	<0.5	<0.5	**3.5**	<1	**1.1**	**5.2**	<0.5	**46**	<0.5
PTU2-I	12-JUN-15	E624MOD	**0.7**	**2.4**	<0.5	<0.5	**3.8**	<1	**1.1**	**5.3**	<0.5	**49**	<0.5
PTU2-E	08-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
PTU2-E	08-MAY-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
PTU2-E	12-JUN-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5

Table A-1. VOC analyses of influent and effluent samples by treatment facility.

Sample Station	Date Sampled	Analytic Method	CTET <-	CFORM -	1,1-DCA -	1,2-DCA -	1,1-DCE ug/L (ppb)	1,2-DCE -	Freon 113 -	PCE -	1,1,1-TCA -	TCE -	Freon 11 ->
TFD-SE													
PTU11-I	01-APR-15	E624MOD	<0.5	**2.5**	**0.62**	**1.1**	**8.3**	<1	**0.55**	**22**	<0.5	**70**	<0.5
PTU11-I	04-MAY-15	E624MOD	<0.5	**2.5**	**0.66**	**1.1**	**10**	<1	**0.54**	**25**	<0.5	**75**	<0.5
PTU11-I	02-JUN-15	E624MOD	**0.51**	**2.9**	**0.68**	**1.2**	**9.9**	<1	**0.7**	**25**	<0.5	**75**	<0.5
PTU11-E	01-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
PTU11-E	04-MAY-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
PTU11-E	02-JUN-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TFD-SS													
PTU12-I	01-APR-15	E624MOD	**1.8**	**2.4**	**0.57**	**2**	**11**	<1	<0.5	**17**	<0.5	**110**	**3.9**
PTU12-I	21-MAY-15	E624MOD	**1.8**	**2.1**	<0.5	**1.2**	**7.3**	<1	<0.5	**12**	<0.5	**87**	**7.3**
PTU12-I	05-JUN-15	E624MOD	**1.7**	**2.2**	<0.5	**1.2**	**7.4**	<1	<0.5	**12**	<0.5	**87**	**8.3**
PTU12-E	01-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
PTU12-E	21-MAY-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
PTU12-E	05-JUN-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TFD-W													
PTU6-I	08-APR-15	E624MOD	<0.5	**6.2**	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	**3.9**	**33**
PTU6-I	07-MAY-15	E624MOD	<0.5	**5.7**	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	**3.5**	**31**
PTU6-I	16-JUN-15	E624MOD	<0.5	**5.2**	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	**3.3**	**28**
PTU6-E	08-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
PTU6-E	07-MAY-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
PTU6-E	16-JUN-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TFE-E													
PTU3-I	02-APR-15	E624MOD	**0.57**	**4**	<0.5	<0.5	**8**	<1	**6.2**	**9**	<0.5	**74**	<0.5
PTU3-I	04-MAY-15	E624MOD	**0.63**	**4.7**	<0.5	**0.5**	**8.4**	<1	**6.6**	**9.3**	<0.5	**81**	<0.5
PTU3-I	02-JUN-15	E624MOD	**0.66**	**4.8**	<0.5	**0.55**	**8.1**	<1	**6.4**	**9.8**	<0.5	**85**	<0.5
PTU3-E	02-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
PTU3-E	04-MAY-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
PTU3-E	02-JUN-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TFE-HS													
GTU07-I	01-APR-15	E624MOD	**3.4**	**2**	<0.5	<0.5	**5.3**	**2.1**	**2.1**	**5.7**	<0.5	**220**	<0.5
GTU07-I	04-MAY-15	E624MOD	**3.3**	**1.9**	<0.5	<0.5	**5.3**	**2**	**2**	**5.5**	<0.5	**230**	<0.5
GTU07-I	02-JUN-15	E624MOD	**3.9**	**2**	<0.5	<0.5	**5.6**	**2.3**	**2.2**	**6.3**	<0.5	**220**	<0.5

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Sample Station	Date Sampled	Analytic Method	CTET <-	CFORM -	1,1-DCA -	1,2-DCA -	1,1-DCE ug/L (ppb)	1,2-DCE -	Freon 113 -	PCE -	1,1,1-TCA -	TCE -	Freon 11 ->
TFE-HS (cont.)													
GTU07-E	01-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
GTU07-E	04-MAY-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
GTU07-E	02-JUN-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TFE-NW													
PTU9-I	08-APR-15	E624MOD	<0.5	**1.3**	<0.5	<0.5	<0.5	<1	**1.2**	<0.5	<0.5	**12**	<0.5
PTU9-I	08-MAY-15	E624MOD	<0.5	**1.1**	<0.5	<0.5	<0.5	<1	**1**	<0.5	<0.5	**11**	<0.5
PTU9-I	05-JUN-15	E624MOD	<0.5	**1.2**	<0.5	<0.5	<0.5	<1	**1**	<0.5	<0.5	**11**	<0.5
PTU9-E	08-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
PTU9-E	08-MAY-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
PTU9-E	05-JUN-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TFE-SE													
W-359	01-APR-15	E624MOD	**2.3**	**2.2**	<0.5	<0.5	**12**	<1	**5.7**	**6.8**	<0.5	**150**	<0.5
MTU04-I	04-MAY-15	E624MOD	**2.4**	**2.8**	<0.5	<0.5	**13**	<1	**6.1**	**7.1**	<0.5	**150**	<0.5
MTU04-I	02-JUN-15	E624MOD	**2.4**	**2.9**	<0.5	<0.5	**12**	<1	**5.9**	**7.4**	<0.5	**150**	<0.5
MTU04-E	01-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
MTU04-E	04-MAY-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
MTU04-E	02-JUN-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TFE-SW													
MTU03-I	08-APR-15	E624MOD	**1.3**	**1.8**	<0.5	<0.5	**0.7**	<1	**0.59**	**1.3**	<0.5	**31**	<0.5
MTU03-I	07-MAY-15	E624MOD	**1.2**	**1.7**	<0.5	<0.5	**0.64**	<1	**0.57**	**1.1**	<0.5	**28**	<0.5
MTU03-I	16-JUN-15	E624MOD	**1.2**	**1.7**	<0.5	<0.5	**0.8**	<1	**0.54**	**1.2**	<0.5	**32**	<0.5
MTU03-E	08-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
MTU03-E	07-MAY-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
MTU03-E	16-JUN-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TFE-W													
MTU05-I	08-APR-15	E624MOD	<0.5	**0.89**	<0.5	<0.5	**1.4**	<1	**6.8**	**5.8**	<0.5	**24**	<0.5
MTU05-I	13-MAY-15	E624MOD	<0.5	**0.9**	<0.5	<0.5	**1.4**	<1	**7.4**	**5.6**	<0.5	**23**	<0.5
MTU05-I	17-JUN-15	E624MOD	<0.5	**0.93**	<0.5	<0.5	**1.4**	<1	**7.3**	**5.6**	<0.5	**23**	<0.5
MTU05-E	08-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	**0.76**	<0.5
MTU05-E	13-MAY-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	**1.1**	<0.5
MTU05-E	17-JUN-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5

Table A-1. VOC analyses of influent and effluent samples by treatment facility.

Sample Station	Date Sampled	Analytic Method	CTET <-	CFORM -	1,1-DCA -	1,2-DCA -	1,1-DCE ug/L (ppb)	1,2-DCE -	Freon 113 -	PCE -	1,1,1-TCA -	TCE -	Freon 11 ->
TFG-1													
W-1111	15-APR-15	E624MOD	**3.2**	**9.4**	<0.5	<0.5	**0.79**	<1	<0.5	**1**	<0.5	**4.1**	<0.5
GTU01-I	15-MAY-15	E624MOD	**3.8**	**9.5**	<0.5	<0.5	**0.76**	<1	<0.5	**1.2**	<0.5	**4.6**	<0.5
GTU01-I	05-JUN-15	E624MOD	**3.7**	**9.1**	<0.5	<0.5	**0.77**	<1	<0.5	**0.99**	<0.5	**4**	<0.5
GTU01-E	15-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
GTU01-E	15-MAY-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
GTU01-E	05-JUN-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TFG-N													
MTU02-I	15-APR-15	E624MOD	<0.5	**1.4**	<0.5	<0.5	**1.5**	<1	**1.3**	**18**	<0.5	**4.8**	<0.5
MTU02-I	15-MAY-15	E624MOD	<0.5	**1.2**	<0.5	<0.5	**1.4**	<1	**1.2**	**17**	<0.5	**4.6**	<0.5
MTU02-I	12-JUN-15	E624MOD	<0.5	**1.4**	<0.5	<0.5	**1.4**	<1	**1.3**	**17**	<0.5	**5**	<0.5
MTU02-E	15-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
MTU02-E	15-MAY-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
MTU02-E	12-JUN-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TF406													
PTU5-I	08-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	**3.5**	<0.5
PTU5-I	07-MAY-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	**3.4**	<0.5
PTU5-I	16-JUN-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	**3.4**	<0.5
PTU5-E	08-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
PTU5-E	07-MAY-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
PTU5-E	16-JUN-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TF406-NW													
W-1801	15-APR-15	E624MOD	<0.5	**1.7**	<0.5	<0.5	<0.5	<1	**3.5**	**0.82**	<0.5	**15**	<0.5
GTU03-I	15-MAY-15	E624MOD	<0.5	**1.6**	<0.5	<0.5	<0.5	<1	**3.3**	**0.93**	<0.5	**19**	<0.5
GTU03-I	05-JUN-15	E624MOD	<0.5	**2**	<0.5	<0.5	<0.5	<1	**2.9**	**0.85**	<0.5	**19**	<0.5
GTU03-E	15-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
GTU03-E	15-MAY-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
GTU03-E	05-JUN-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TF518-N[c]													
W-1410	20-APR-15	E624MOD	**1.9**	**2**	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	**12**	<0.5

Table A-1. VOC analyses of influent and effluent samples by treatment facility.

Sample Station	Date Sampled	Analytic Method	CTET <-	CFORM -	1,1-DCA -	1,2-DCA -	1,1-DCE ug/L (ppb)	1,2-DCE -	Freon 113 -	PCE -	1,1,1-TCA -	TCE -	Freon 11 ->
TF5475-1[d]													
W-1302-2	22-APR-15	E624MOD	**2.5**	**40**	**1.5**	**5.1**	**29**	**2.2**	**9.1**	**58**	<0.5	**420**	<0.5
TF5475-2													
GTU09-I	01-APR-15	E624MOD	**1.7**	**17**	<0.5	**2.5**	**15**	<1	**4.3**	**30**	<0.5	**230**	<0.5
GTU09-I	21-MAY-15	E624MOD	**1.5**	**14**	<0.5	**2.2**	**13**	<1	**3.4**	**25**	<0.5	**190**	<0.5
GTU09-I	05-JUN-15	E624MOD	**1.3**	**14**	<0.5	**2.1**	**13**	<1	**3.2**	**24**	<0.5	**190**	<0.5
GTU09-E	01-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
GTU09-E	21-MAY-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
GTU09-E	05-JUN-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
TF5475-3[e]	---	---	--	--	--	--	--	--	--	--	--	--	--

Notes on following page.

Table A-1. VOC analyses of influent and effluent samples by treatment facility.

[a] TFA-E did not operate during the reporting period due to the single extraction well W-254 being dry due to dewatering in the area.

[b] TFD did not operate during the months of May and June due to upgrades being performed as part of the Remediation Evaluation (REVAL) process.

[c] TF518-N did not operate during the reporting period due to mixed waste disposition issues.

[d] TF5475-1 did not operate during this reporting period due to mixed waste disposition issues.

[e] TF5475-3 did not operate during this reporting period due to mixed waste disposition issues.

Notes:

CTET = Carbon tetrachloride

CFORM = Chloroform

1,1-DCA = 1,1-Dichloroethane

1,2-DCA = 1,2-Dichloroethane

1,1-DCE = 1,1-Dichloroethylene

1,2-DCE = 1,2-Dichloroethylene

Freon 113 = Trichlorotrifluoroethane

PCE = Tetrachloroethylene

1,1,1-TCA = 1,1,1-Trichloroethane

TCE = Trichloroethene

Freon 11 = Trichlorofluoromethane

VOC = Volatile organic compound

Numbers in **BOLD** print indicate positive values above the detection limit.

Table A-2. VOC analyses of samples from treatment facility extraction wells.

Extraction Well	Date Sampled	Analytic Method	CTET	CFORM	1,1-DCA	1,2-DCA	1,1-DCE	1,2-DCE	Freon 113	PCE	1,1,1-TCA	TCE	Freon 11
			<-	-	-	-	ug/L (ppb)	-	-	-	-	-	->
TFA													
W-109	14-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	**0.53**	**0.9**	<0.5	<0.5	<0.5
W-262	14-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
W-404	14-APR-15	E624MOD	<0.5	<0.5	**0.59**	<0.5	**0.91**	<1	<0.5	**3.9**	<0.5	<0.5	<0.5
W-408	14-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
W-415	14-APR-15	E624MOD	<0.5	**1.8**	**0.55**	<0.5	**1.2**	<1	<0.5	**9.7**	<0.5	**0.95**	<0.5
W-457	14-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	**0.56**	<1	<0.5	**4.6**	<0.5	<0.5	<0.5
W-518	14-APR-15	E624MOD	<0.5	<0.5	**5.4**	<0.5	**3**	<1	<0.5	**4.4**	<0.5	<0.5	<0.5
W-522	14-APR-15	E624MOD	<0.5	<0.5	**1.3**	<0.5	**0.9**	<1	<0.5	**2.6**	<0.5	<0.5	<0.5
W-605	14-APR-15	E624MOD	<0.5	<0.5	**0.66**	<0.5	**0.8**	<1	<0.5	**11**	<0.5	**0.53**	<0.5
W-614	14-APR-15	E624MOD	<0.5	**0.51**	<0.5	<0.5	<0.5	<1	<0.5	**4.2**	<0.5	<0.5	<0.5
W-712	14-APR-15	E624MOD	**2.7**	**3**	**1**	<0.5	**3.6**	<1	<0.5	**2**	<0.5	**3.1**	<0.5
W-714	14-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	**5.6**	<0.5	<0.5	<0.5
W-903	14-APR-15	E624MOD	<0.5	<0.5	**0.64**	<0.5	**0.65**	<1	<0.5	**4**	<0.5	<0.5	<0.5
W-904	14-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	**0.64**	<1	<0.5	**4.1**	<0.5	<0.5	<0.5
W-1001	14-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
W-1004	14-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	**2.1**	<0.5	<0.5	<0.5
W-1009	14-APR-15	E624MOD	**0.96**	**4.4**	**0.59**	<0.5	**2.7**	<1	<0.5	**9.6**	<0.5	**1.6**	<0.5
TFA-E													
W-254	20-APR-15	E624MOD	<0.5	<0.5	**0.79**	<0.5	**0.64**	**4.1**	<0.5	**72**	<0.5	**2**	<0.5
TFB													
W-357	02-APR-15	E624MOD	**1.5**	**3.1**	<0.5	<0.5	**1.2**	<1	**3.2**	**1.1**	<0.5	**28**	<0.5
W-610	02-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	**0.68**	<1	**0.77**	**0.54**	<0.5	**1.1**	<0.5
W-620	02-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	**0.55**	<0.5	**1.6**	<0.5
W-621	02-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	**1.1**	<0.5
W-655	02-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	**5.6**	<0.5	<0.5	**0.62**	<0.5
W-704	02-APR-15	E624MOD	**0.59**	**4**	<0.5	<0.5	**2.2**	<1	**6**	**2.3**	<0.5	**17**	<0.5
W-1423	02-APR-15	E624MOD	**0.76**	**4.6**	<0.5	<0.5	**3.1**	<1	**3**	**1.7**	<0.5	**8.2**	<0.5
W-2501	02-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	**1.1**	<0.5	<0.5	**4**	<0.5
W-2502	02-APR-15	E624MOD	**0.54**	**2.3**	<0.5	<0.5	**1.4**	<1	<0.5	<0.5	<0.5	**2.2**	<0.5
TFC													
W-701	02-APR-15	E624MOD	<0.5	**2.1**	<0.5	<0.5	**1.6**	<1	**21**	**1.9**	<0.5	**17**	<0.5
W-1104	02-APR-15	E624MOD	<0.5	**0.65**	<0.5	<0.5	<0.5	<1	**2.3**	**4.6**	<0.5	**8.3**	<0.5
W-1116	11-JUN-15	E624MOD	<0.5	**1.2**	<0.5	<0.5	**0.51**	<1	**5.2**	**3**	<0.5	**3.1**	<0.5

Table A-2. VOC analyses of samples from treatment facility extraction wells.

Extraction Well	Date Sampled	Analytic Method	CTET	CFORM	1,1-DCA	1,2-DCA	1,1-DCE	1,2-DCE	Freon 113	PCE	1,1,1-TCA	TCE	Freon 11
			<-	-	-	-	ug/L (ppb)	-	-	-	-	-	->
TFC-E													
W-368	09-APR-15	E624MOD	<0.5	**4**	<0.5	<0.5	<0.5	<1	**17**	**2.8**	<0.5	**12**	**2.6**
W-413	09-APR-15	E624MOD	<0.5	**13**	<0.5	<0.5	**0.93**	<1	**12**	<0.5	<0.5	**7.8**	**4**
TFC-SE													
W-1213	25-JUN-15	E624MOD	<0.5	**7.6**	<0.5	<0.5	**2.2**	<1	**7.6**	<0.5	<0.5	**13**	**0.7**
W-2201	25-JUN-15	E624MOD	<0.5	**5.8**	<0.5	<0.5	**1.4**	<1	**17**	**0.86**	<0.5	**14**	**1**
TFD													
W-351	08-APR-15	E624MOD	**26**	**4.6**	<0.5	**0.82**	**7**	<1	**4.6**	**6**	<0.5	**460**	**1.3**
W-653	08-APR-15	E624MOD	**17**	**5.3**	<0.5	<0.5	**0.64**	<1	**2.3**	**0.67**	<0.5	**420**	<0.5
W-2011	08-APR-15	E624MOD	**0.82**	**0.75**	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	**18**	<0.5
W-2101	08-APR-15	E624MOD	**3.1**	**1.6**	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	**110**	<0.5
W-2102	08-APR-15	E624MOD	**12**	**3.8**	<0.5	<0.5	<0.5	<1	**1.4**	<0.5	<0.5	**320**	**1.1**
W-1206	08-APR-15	E624MOD	**0.66**	**2.8**	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	**11**	<0.5
W-1208	08-APR-15	E624MOD	**1.8**	**1.8**	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	**35**	**22**
TFD-E													
W-2006	08-APR-15	E624MOD	**1.1**	**2.1**	**3.3**	**10**	**95**	**1.6**	<0.5	**92**	<0.5	**540**	<0.5
W-1301	08-APR-15	E624MOD	**7.1**	**2.9**	**1.8**	**6.4**	**56**	<1	**0.72**	**40**	<0.5	**270**	<0.5
W-1303	08-APR-15	E624MOD	**3.2**	**2.2**	<0.5	**1.1**	**3.8**	<1	<0.5	**4.4**	<0.5	**95**	**5.4**
W-1306	08-APR-15	E624MOD	**1.7**	**1.2**	<0.5	<0.5	<0.5	<1	<0.5	**2**	<0.5	**45**	<0.5
W-1307	08-APR-15	E624MOD	**2.6**	**0.62**	<0.5	<0.5	<0.5	<1	<0.5	**0.65**	<0.5	**32**	<0.5
W-1550	08-APR-15	E624MOD	**5.5**	**4.1**	<0.5	<0.5	**0.71**	<1	<0.5	**1.8**	<0.5	**130**	<0.5
W-2203	08-APR-15	E624MOD	**8.6**	**2.5**	<0.5	<0.5	**2**	<1	**1.8**	**5.7**	<0.5	**89**	<0.5
TFD-HPD													
W-1254	09-APR-15	E624MOD	**1.5**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	**35**	<0.5
W-1650	23-APR-15	E624MOD	**1.7**	**1.3**	<0.5	<0.5	<0.5	**3.6**	**0.99**	<0.5	<0.5	**110**	<0.5
W-1653	23-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	**32**	<0.5	<0.5	<0.5	**37**	<0.5
W-1655	23-APR-15	E624MOD	<0.5	**1.3**	<0.5	<0.5	<0.5	**1**	<0.5	**1.6**	<0.5	**39**	<0.5
W-1657	23-APR-15	E624MOD	**8.4**	**4**	<0.5	<0.5	<0.5	<1	**2.6**	<0.5	<0.5	**940**	<0.5
TFD-S													
W-1503	08-APR-15	E624MOD	**1.4**	**1.6**	<0.5	<0.5	**1.2**	<1	<0.5	**1.8**	<0.5	**41**	<0.5
W-1504	08-APR-15	E624MOD	<0.5	**1.1**	<0.5	<0.5	**8**	<1	**2**	**11**	<0.5	**59**	<0.5
W-1510	08-APR-15	E624MOD	<0.5	**1.1**	<0.5	<0.5	**2.2**	<1	<0.5	**4.1**	<0.5	**29**	<0.5
W-2601	08-APR-15	E624MOD	<0.5	**6.3**	<0.5	<0.5	**2.9**	<1	**1.6**	**4.8**	<0.5	**53**	<0.5

Table A-2. VOC analyses of samples from treatment facility extraction wells.

Extraction Well	Date Sampled	Analytic Method	CTET <-	CFORM -	1,1-DCA -	1,2-DCA -	1,1-DCE ug/L (ppb)	1,2-DCE -	Freon 113 -	PCE -	1,1,1-TCA -	TCE -	Freon 11 ->
TFD-SE													
W-314	01-APR-15	E624MOD	<0.5	<0.5	**0.55**	<0.5	**0.96**	<1	<0.5	**1.7**	<0.5	**8.1**	<0.5
W-2005	01-APR-15	E624MOD	<0.5	**0.98**	<0.5	**0.69**	**11**	<1	<0.5	**25**	<0.5	**49**	<0.5
W-1308	01-APR-15	E624MOD	<0.5	**1.3**	**0.84**	**2.4**	**14**	<1	<0.5	**57**	<0.5	**89**	<0.5
W-1403	01-APR-15	E624MOD	**2**	**16**	**1.2**	**4.7**	**36**	<1	**3.6**	**80**	<0.5	**290**	<0.5
W-1904[a]	02-JUN-14	E601	<0.5	<0.5	<0.5	<0.5	**1.4**	<1	<0.5	**13**	<0.5	**6**	<0.5
SIP-ETC-201[a]	18-MAR-15	E601	<0.5	**0.67**	**2.5**	**0.88**	**70**	<1	<0.5	**380**	<0.5	**230**	<0.5
TFD-SS													
W-1523	01-APR-15	E624MOD	**3.6**	**3**	<0.5	**1.5**	**14**	<1	**1.2**	**16**	<0.5	**140**	<0.5
W-1601	01-APR-15	E624MOD	**3.5**	**3.9**	**1.3**	**5.2**	**24**	**1**	**1.2**	**83**	<0.5	**210**	<0.5
W-1602	01-APR-15	E624MOD	<0.5	**1.4**	<0.5	<0.5	**0.5**	<1	<0.5	**0.98**	<0.5	**8.9**	**1.2**
W-1603	01-APR-15	E624MOD	**1.2**	**2.2**	**0.71**	**2.4**	**11**	<1	<0.5	**17**	<0.5	**120**	**6.2**
TFD-W													
W-1215	08-APR-15	E624MOD	<0.5	**9.2**	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	**4.3**	**16**
W-1216	08-APR-15	E624MOD	<0.5	**4.7**	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	**2**	**20**
W-1902	08-APR-15	E624MOD	<0.5	**3.4**	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	**3.7**	**42**
TFE-E													
W-566	02-APR-15	E624MOD	**0.7**	**4.7**	<0.5	**0.53**	**6.3**	<1	**7.1**	**6.3**	<0.5	**68**	<0.5
W-1109	02-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	**21**	<1	**3.7**	**32**	<0.5	**110**	<0.5
W-1903	02-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	**12**	<1	**3.2**	**10**	<0.5	**22**	<0.5
W-1909[a]	14-NOV-11	E601	<0.5	<0.5	<0.5	<0.5	**9.1**	**1.1**	<0.5	**5.4**	<0.5	**6.5**	<0.5
W-2305[a]	01-OCT-14	E601	<0.5	<0.5	<0.5	<0.5	**11**	<1	**2.7**	**18**	<0.5	**39**	<0.5
TFE-HS													
W-2105	01-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	**0.77**	<1	**1.4**	**5.7**	<0.5	**83**	<0.5
W-2801	01-APR-15	E624MOD	**3.7**	**2.1**	<0.5	<0.5	**5.6**	**2.2**	**2.3**	**7.5**	<0.5	**250**	<0.5
TFE-NW													
W-1211	08-APR-15	E624MOD	<0.5	**1.5**	<0.5	<0.5	<0.5	<1	**1.4**	<0.5	<0.5	**8**	<0.5
W-1409	08-APR-15	E624MOD	<0.5	**0.5**	<0.5	<0.5	**0.51**	<1	<0.5	**1.4**	<0.5	**28**	<0.5
TFE-SE													
W-359	01-APR-15	E624MOD	**2.3**	**2.2**	<0.5	<0.5	**12**	<1	**5.7**	**6.8**	<0.5	**150**	<0.5
TFE-SW													
W-1516	08-APR-15	E624MOD	<0.5	**1.3**	<0.5	<0.5	<0.5	<1	**0.61**	<0.5	<0.5	**7.9**	<0.5
W-1518[a]	13-JAN-15	E601	<0.5	<0.5	<0.5	<0.5	**1.4**	**1.1**	**0.63**	**0.55**	<0.5	**9.5**	<0.5

Table A-2. VOC analyses of samples from treatment facility extraction wells.

Extraction Well	Date Sampled	Analytic Method	CTET	CFORM	1,1-DCA	1,2-DCA	1,1-DCE	1,2-DCE	Freon 113	PCE	1,1,1-TCA	TCE	Freon 11
			<-	-	-	-	ug/L (ppb)	-	-	-	-	-	->
TFE-SW (cont.)													
W-1520	08-APR-15	E624MOD	**5.1**	**3.4**	<0.5	**1.4**	**1.1**	**1**	<0.5	**5.7**	<0.5	**110**	<0.5
W-1522	08-APR-15	E624MOD	**10**	**5.8**	<0.5	**2.3**	**6.2**	**5.8**	**0.67**	**10**	<0.5	**220**	<0.5
TFE-W													
W-292	08-APR-15	E624MOD	<0.5	**0.83**	<0.5	<0.5	**0.95**	**2.3**	**1.2**	**1.3**	<0.5	**18**	<0.5
W-305	08-APR-15	E624MOD	<0.5	**1**	<0.5	<0.5	**1.7**	<1	**10**	**8.6**	<0.5	**29**	<0.5
TFG-1													
W-1111	15-APR-15	E624MOD	**3.2**	**9.4**	<0.5	<0.5	**0.79**	<1	<0.5	**1**	<0.5	**4.1**	<0.5
TFG-N													
W-1806	15-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	**8**	<0.5	**2**	<0.5
W-1807	15-APR-15	E624MOD	<0.5	**1.4**	<0.5	<0.5	**1.6**	<1	**1.5**	**19**	<0.5	**5.1**	<0.5
TF406													
W-1309	08-APR-15	E624MOD	**0.6**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	**2.8**	<0.5
W-1310	08-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	**3.5**	<0.5
TF406-NW													
W-1801	15-APR-15	E624MOD	<0.5	**1.7**	<0.5	<0.5	<0.5	<1	**3.5**	**0.82**	<0.5	**15**	<0.5
TF518-N[b]													
W-1410	20-APR-15	E624MOD	**1.9**	**2**	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	**12**	<0.5
TF518-PZ													
W-1615	30-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	**2.8**	<1	<0.5	**26**	<0.5	**150**	<0.5
W-518-1913[a]	23-MAY-11	E601	<0.5	<0.5	<0.5	<0.5	**0.76**	<1	<0.5	**3.8**	<0.5	**29**	<0.5
W-518-1914	30-APR-15	E624MOD	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	**59**	<0.5	**5.1**	<0.5
W-518-1915	30-APR-15	E624MOD	<0.5	**0.74**	<0.5	<0.5	**2.6**	<1	<0.5	**44**	<0.5	**410**	<0.5
SVB-518-201[a]	07-FEB-08	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	**35**	<0.5	**8.5**	<0.5
SVB-518-204[a]	07-FEB-08	E601	<0.5	**0.63**	<0.5	<0.5	**1.4**	<1	<0.5	**43**	<0.5	**550**	<0.5
TF5475-1[b]													
W-1302-2	22-APR-15	E624MOD	**2.5**	**40**	**1.5**	**5.1**	**29**	**2.2**	**9.1**	**58**	<0.5	**420**	<0.5
TF5475-2													
W-1108	01-APR-15	E624MOD	**1.7**	**17**	**0.5**	**2.5**	**15**	<1	**4.3**	**30**	<0.5	**230**	<0.5
W-1415[a]	04-SEP-14	E601	**1.4**	**14**	<0.5	**2.2**	**12**	<1	**4.2**	**24**	<0.5	**210**	<0.5

Table A-2. VOC analyses of samples from treatment facility extraction wells.

Extraction Well	Date Sampled	Analytic Method	CTET	CFORM	1,1-DCA	1,2-DCA	1,1-DCE	1,2-DCE	Freon 113	PCE	1,1,1-TCA	TCE	Freon 11
			<-	-	-	-	ug/L (ppb)	-	-	-	-	-	->
TF5475-3[b]													
W-1604[c]	11-JUN-15	E624MOD	**4.1**	**59**	**1.5**	**14**	**39**	**3.6**	**9.6**	**91**	<1	**730**	<1
W-1605	27-MAY-15	E624MOD	<0.5	**12**	<0.5	**1.2**	<0.5	<1	<0.5	**2**	<0.5	**23**	<0.5
W-1608	27-MAY-15	E624MOD	<0.5	**12**	<0.5	**1.8**	<0.5	<1	<0.5	**1.5**	<0.5	**14**	<0.5
W-1609	27-MAY-15	E624MOD	<0.5	**29**	<0.5	**2.1**	**3.6**	<1	**0.53**	**9.8**	<0.5	**82**	<0.5

Notes on following page.

Table A-2. VOC analyses of samples from treatment facility extraction wells.

[a] Most recent VOC sample results available.

[b] Treatment Facility did not operate during reporting period. Please refer to Table A-1 for details.

[c] Elevated reporting limit due to sample dilution.

Notes:

CTET = Carbon tetrachloride

CFORM = Chloroform

1,1-DCA = 1,1-Dichloroethane

1,2-DCA = 1,2-Dichloroethane

1,1-DCE = 1,1-Dichloroethylene

1,2-DCE = 1,2-Dichloroethylene

Freon 113 = Trichlorotrifluoroethane

PCE = Tetrachloroethylene

1,1,1-TCA = 1,1,1-Trichloroethane

TCE = Trichloroethene

Freon 11 = Trichlorofluoromethane

VOC = Volatile organic compound

Numbers in **BOLD** print indicate positive values above the detection limit.

Table A-3. VOC analyses of vapor samples from treatment facility extraction wells.

Extraction Well	Date Sampled	Analytic Method	CTET <-	CFORM -	1,1-DCA -	1,2-DCA -	1,1-DCE PPM(V/V)	1,2-DCE -	Freon 113 -	PCE -	1,1,1-TCA -	TCE -	Freon 11 ->
VTFD-ETCS													
W-1904	29-APR-15	TO15DIT	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	**0.15**	<0.019	**0.054**	<0.019
W-ETC-2003	29-APR-15	TO15DIT	<0.0084	<0.0084	<0.0084	<0.0084	<0.0084	<0.0084	<0.0084	**0.072**	<0.0084	**0.021**	<0.0084
W-ETC-2004A	29-APR-15	TO15DIT	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	**0.24**	<0.035	**0.068**	<0.035
W-ETC-2004B	29-APR-15	TO15DIT	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	**0.37**	<0.23	**1.4**	<0.23
SIP-ETC-201	29-APR-15	TO15DIT	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042	**0.29**	<0.042	**0.32**	<0.042
VTFE-ELM													
W-1903	29-APR-15	TO15DIT	<0.15	<0.15	<0.15	<0.15	**0.52**	<0.15	<0.15	**0.47**	<0.15	**1**	<0.15
W-1909[a]	30-SEP-14	TO15DIT	<0.005	<0.005	**0.0082**	<0.005	**1.2**	<0.005	**0.38**	**0.71**	<0.005	**1.6**	<0.005
W-2305[a]	06-OCT-11	TO15DIT	<0.005	<0.005	<0.005	<0.005	**0.2**	<0.005	**0.036**	**0.46**	<0.005	**0.55**	<0.005
W-543-001	29-APR-15	TO15DIT	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	**0.4**	<0.067	**0.22**	<0.067
W-543-003	29-APR-15	TO15DIT	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	**0.055**	<0.029	**0.2**	<0.029
W-543-1908	29-APR-15	TO15DIT	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	**0.06**	<0.049	**0.22**	<0.049
VTFE-HS													
W-2105	12-MAY-15	TO15DIT	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	**1.4**	<0.32
W-ETS-2008A	12-MAY-15	TO15DIT	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	**0.0051**	<0.005	**0.0063**	<0.005
W-ETS-2008B	12-MAY-15	TO15DIT	<0.058	<0.058	<0.058	<0.058	<0.058	<0.058	<0.058	**0.23**	<0.058	**0.23**	<0.058
W-ETS-2009	12-MAY-15	TO15DIT	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042	**0.077**	<0.042	**0.21**	<0.042
W-ETS-2010A	12-MAY-15	TO15DIT	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	**0.11**	<0.017	**0.095**	<0.017
W-ETS-2010B	12-MAY-15	TO15DIT	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	**0.013**	<0.005	**0.017**	<0.005
VTF406-HS													
W-217	29-APR-15	TO15DIT	<0.28	<0.28	<0.28	<0.28	**0.59**	<0.28	<0.28	**0.42**	<0.28	**1.3**	<0.28
W-514-2007A	29-APR-15	TO15DIT	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	**7.5**
W-514-2007B	29-APR-15	TO15DIT	<0.096	<0.096	<0.096	<0.096	**0.35**	<0.096	<0.096	**0.16**	<0.096	**0.52**	**0.14**
VTF511													
W-2204	09-JUN-15	TO15DIT	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	**5.1**	<1.5
W-2205	09-JUN-15	TO15DIT	<0.084	<0.084	<0.084	<0.084	<0.084	<0.084	<0.084	<0.084	<0.084	**0.7**	<0.084
W-2206	09-JUN-15	TO15DIT	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	**1.1**	<0.21
W-2207A	09-JUN-15	TO15DIT	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	**0.01**	<0.005	**0.14**	<0.005
W-2207B	09-JUN-15	TO15DIT	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	**0.75**	<0.12
W-2208A	09-JUN-15	TO15DIT	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085	**2.4**	<0.085
W-2208B	09-JUN-15	TO15DIT	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	**6.7**	<1.7
VTF518-PZ													
W-1615	12-MAY-15	TO15DIT	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	**1.3**	<0.66	**2.3**	<0.66
W-518-1913	12-MAY-15	TO15DIT	<0.51	<0.51	<0.51	<0.51	**0.56**	<0.51	<0.51	**0.74**	<0.51	**3**	<0.51

Table A-3. VOC analyses of vapor samples from treatment facility extraction wells.

Extraction Well	Date Sampled	Analytic Method	CTET <-	CFORM -	1,1-DCA -	1,2-DCA -	1,1-DCE PPM(V/V)	1,2-DCE -	Freon 113 -	PCE -	1,1,1-TCA -	TCE -	Freon 11 ->
VTF518-PZ (cont.)													
W-518-1914	12-MAY-15	TO15DIT	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	**2.2**	<0.66	<0.66	<0.66
W-518-1915	12-MAY-15	TO15DIT	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.63**	<0.2	**0.27**	<0.2
SVB-518-201	12-MAY-15	TO15DIT	<0.0085	<0.0085	<0.0085	<0.0085	**0.015**	<0.0085	<0.0085	**0.031**	<0.0085	**0.059**	<0.0085
SVB-518-204	12-MAY-15	TO15DIT	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	**0.77**	<0.17
VTF5475[b]													
W-1605	09-JUN-15	TO15DIT	<0.005	**0.039**	<0.005	<0.005	**0.016**	<0.005	<0.005	**0.014**	<0.005	**0.13**	<0.005
W-1608	09-JUN-15	TO15DIT	**0.0055**	**0.096**	<0.005	**0.0052**	**0.056**	<0.005	**0.048**	**0.048**	<0.005	**0.24**	<0.005
W-2211	11-JUN-15	TO15DIT	<0.014	**0.037**	<0.014	<0.014	**0.019**	<0.014	<0.014	**0.02**	<0.014	**0.15**	<0.014
W-2212	11-JUN-15	TO15DIT	<0.064	**0.11**	<0.064	<0.064	**0.16**	<0.064	<0.064	<0.064	<0.064	**0.48**	<0.064
W-ETS-507	09-JUN-15	TO15DIT	<0.0083	**0.35**	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083	**0.093**	<0.0083	**0.36**	<0.0083
W-2302	09-JUN-15	TO15DIT	<0.2	<0.2	<0.2	<0.2	**0.82**	<0.2	**0.27**	**0.55**	<0.2	**5.7**	<0.2
W-2303	11-JUN-15	TO15DIT	<0.011	**0.032**	<0.011	<0.011	<0.011	<0.011	<0.011	**0.016**	<0.011	**0.11**	<0.011
SVI-ETS-504	11-JUN-15	TO15DIT	<0.084	**0.22**	<0.084	<0.084	<0.084	<0.084	<0.084	**0.14**	<0.084	**0.62**	<0.084

Notes on following page.

Table A-3. VOC analyses of vapor samples from treatment facility extraction wells.

[a] Most recent VOC vapor sample results available.

[b] VTF5475 did not operate during reporting period due to mixed waste disposition issues.

Notes:
CTET = Carbon tetrachloride
CFORM = Chloroform
1,1-DCA = 1,1-Dichloroethane
1,2-DCA = 1,2-Dichloroethane
1,1-DCE = 1,1-Dichloroethylene
1,2-DCE = 1,2-Dichloroethylene
Freon 113 = Trichlorotrifluoroethane
PCE = Tetrachloroethylene
1,1,1-TCA = 1,1,1-Trichloroethane
TCE = Trichloroethene
Freon 11 = Trichlorofluoromethane
VOC = Volatile organic compound

Numbers in **BOLD** print indicate positive values above the detection limit.

Table A-4. Chromium analyses of influent, effluent and receiving water samples by treatment facility.

Treatment Facility	Sample Station	Date Sampled	Chromium (total)[a] mg/L (ppm)	Hexavalent Chromium mg/L (ppm)
TFB	TFB-E002	02-APR-15	0.016	NA
	TFB-E002	04-MAY-15	0.017	NA
	TFB-E002	04-MAY-15	0.016	NA
	TFB-E002	01-JUN-15	0.015	NA
TFC	TFC-E003	02-APR-15	0.019	NA
	TFC-E003	04-MAY-15	0.021	NA
	TFC-E003	01-JUN-15	0.017	NA
TFC-E	MTU1-E	09-APR-15	0.032	NA
	MTU1-E	13-MAY-15	0.033	NA
	MTU1-E	17-JUN-15	0.034	NA
TFC-SE	PTU1-E	02-APR-15	0.028	NA
	PTU1-E	04-MAY-15	0.023	NA
	PTU1-E	01-JUN-15	0.022	NA

[a]A discharge limit of 0.050 ppm is set for total chromium during the dry season (April 1-November 30), and no limit is set for total chromium for the wet season (December 1-March 31); however, a limit of 0.022 ppm hexavalent chromium applies during the wet season. Discharge limits are defined in the Explanation of Significant Differences for metals discharge limits (April 1997).

Shaded values exceeded the discharge limit. See text for explanation.

Explanation of Abbreviations

TFA-I001 is a sampling port located immediately prior to the TFA Treatment System.
TFA-E001 is a sampling port located immediately after the TFA Treatment System, at the beginning of the discharge pipeline.
TFA receiving water is routinely sampled at the TFG-ASW location.
TFB-I002 is a sampling port located immediately prior to the TFB Treatment System.
TFB-E002 is a sampling port located immediately after the TFB Treatment System, at the beginning of the discharge pipeline.
TFB-R002 is a sampling station in the drainage ditch north of TFB, located approximately 75 ft downstream from the discharge point.
TFC-I003 is a sampling port located immediately prior to the TFC Treatment System.
TFC-E003 is a sampling port located immediately after the TFC Treatment System, at the beginning of the discharge pipeline.
TFC-R003 is a sampling station in Arroyo Las Positas, located approximately 75 ft downstream from the TFC discharge point.
TFD-I004 is a sampling port located immediately prior to the TFD Treatment System.
TFD-E004 is a sampling port located immediately after the TFD Treatment System, prior to discharge to the Lake Haussmann or to the underground discharge pipeline leading to Arroyo Las Positas.
TFD-R004 is now combined with and collected at the TFC-R003 location. Results are reported under TFC-R003, as approved by the RWQCB.
CRD1-I is a sampling port located immediately prior to the catalytic column in the Catalytic Reductive Dehalogenation treatment unit 1 (CRD1).
CRD1-E is the effluent from the catalytic column in the Catalytic Reductive Dehalogenation treatment unit 1 (CRD1) and then reinjected at W-1302.
CRD2-I is a sampling port located immediately prior to the catalytic columns in the Catalytic Reductive Dehalogenation treatment unit 2 (CRD2).
CRD2-E is the effluent from the last catalytic column in the Catalytic Reductive Dehalogenation treatment unit 2 (CRD2) and then reinjected at W-1610.
GTU01-I is a sampling port located immediately prior to GTU01, which is currently operating in the TFG-1 area.
GTU01-E is a sampling port located immediately after GTU01, which is currently operating in the TFG-1 area.
GTU01 receiving water is routinely sampled at the TFG-ASW location.
GTU03-I is a sampling port located immediately prior to GTU03, which is currently operating in the TF406 Northwest area.
GTU03-E is a sampling port located immediately after GTU03, which is currently operating in the TF406 Northwest area.
GTU03 receiving water is routinely sampled at the TFC-R003 location.
GTU07-I is a sampling port located immediately prior to GTU07, which is currently operating in the TFE Hotspot area.
GTU07-E is a sampling port located immediately after GTU07, which is currently operating in the TFE Hotspot area.
GTU07 receiving water is routinely sampled at the TFC-R003 location.
GTU09-I is a sampling port located immediately prior to GTU09, which is currently operating in the TF5475 area.
GTU09-E is a sampling port located immediately after GTU09, which is currently operating in the TF5475 area.
GTU09 receiving water is routinely sampled at the TFC-R003 location.
MTU02-I is a sampling port located immediately prior to MTU02, which is currently operating in the TFG North area.
MTU02-E is a sampling port located immediately after MTU02, which is currently operating in the TFG North area.
MTU02 receiving water is routinely sampled at the TFC-R003 location.
MTU03-I is a sampling port located immediately prior to MTU03, which is currently operating in the TFE Southwest area.
MTU03-E is a sampling port located immediately after MTU03, which is currently operating in the TFE Southwest area.
MTU03 receiving water is routinely sampled at the TFC-R003 location.
MTU04-I is a sampling port located immediately prior to MTU04, which is currently operating in the TFE Southeast area.
MTU04-E is a sampling port located immediately after MTU04, which is currently operating in the TFE Southeast area.
MTU04 receiving water is routinely sampled at the TFC-R003 location.
MTU05-I is a sampling port located immediately prior to MTU05, which is currently operating in the TFE West area.
MTU05-E is a sampling port located immediately after MTU05, which is currently operating in the TFE West area.
MTU05 receiving water is routinely sampled at the TFC-R003 location.
MTU1-I is a sampling port located immediately prior to MTU1, which is currently operating in the TFC East area.
MTU1-E is a sampling port located immediately after MTU1, which is currently operating in the TFC East area.

MTU1 receiving water is routinely sampled at the TFC-R003 location.
PTU1-I is a sampling port located immediately prior to PTU-1, which is currently operating in the TFC Southeast area.
PTU1-E is a sampling port located immediately after PTU-1, which is currently operating in the TFC Southeast area.
PTU1 receiving water is routinely sampled at the TFC-R003 location.
PTU2-I is a sampling port located immediately prior to PTU-2, which is currently operating in the TFD South area.
PTU2-E is a sampling port located immediately after PTU-2, which is currently operating in the TFD South area.
PTU2 receiving water is routinely sampled at TFC-R003 during the wet season.
PTU3-I is a sampling port located immediately prior to PTU-3, which is currently operating in the TFE East area.
PTU3-E is a sampling port located immediately after PTU-3, which is currently operating in the TFE East area.
PTU3 receiving water is routinely sampled at the TFC-R003 location.
PTU5-I is a sampling port located immediately prior to PTU-5, which is currently operating in the TF406 extraction location.
PTU5-E is a sampling port located immediately after PTU-5, which is currently operating in the TF406 extraction location.
PTU5 receiving water is routinely sampled at the TFC-R003 location.
PTU6-I is a sampling port located immediately prior to PTU-6, which is currently operating in the TFD West area.
PTU6-E is a sampling port located immediately after PTU-6, which is currently operating in the TFD West area.
PTU6 receiving water is routinely sampled at the TFC-R003 location.
PTU8-I is a sampling port located immediately prior to PTU-8, which is currently operating in the TFD East area.
PTU8-E is a sampling port located immediately after PTU-8, which is currently operating in the TFD East area.
PTU8 receiving water is routinely sampled at the TFC-R003 location.
PTU9-I is a sampling port located immediately prior to PTU-9, which is currently operating in the TFE Northwest area.
PTU9-E is a sampling port located immediately after PTU-9, which is currently operating in the TFE Northwest area.
PTU9 receiving water is routinely sampled at the TFC-R003 location.
PTU10-I is a sampling port located immediately prior to PTU-10, which is currently operating in the TFD Helipad area.
PTU10-E is a sampling port located immediately after PTU-10, which is currently operating in the TFD Helipad area.
PTU10 receiving water is routinely sampled at the TFC-R003 location.
PTU11-I is a sampling port located immediately prior to PTU-11, which is currently operating in the TFD Southeast area.
PTU11-E is a sampling port located immediately after PTU-11, which is currently operating in the TFD Southeast area.
PTU11 receiving water is routinely sampled at the TFC-R003 location.
PTU12-I is a sampling port located immediately prior to PTU-12, which is currently operating in the TFD Southshore area.
PTU12-E is a sampling port located immediately after PTU-12, which is currently operating in the TFD Southshore area.
PTU12 receiving water is routinely sampled at the TFC-R003 location.
STU06-I is a sampling port located immediately prior to STU06, which is operating in the TFA East area.
STU06-E is a sampling port located immediately after STU06, which is operating in the TFA East area.
STU06 receiving water is routinely sampled at the TFG-ASW location.
STU09-I is a sampling port located immediately prior to STU09, which is currently operating in the TF518-North area.
STU09-E is a sampling port located immediately after STU09, which is currently operating in the TF518-North area.
STU09 receiving water is routinely sampled at the TFC-R003 location.

Attachment B

Self-Monitoring Reports

Self-Monitoring Report
LLNL Treatment Facility A (TFA)
AREA TFA

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April **01 02 03 04 05** 06 **07 08 09 10 11** 12 **13 14 15**
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

Total monthly time facility operated (hours): **641**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**04-09-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**21**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-109	**1,024**	**0.0**
W-262	**146**	**0.0**
W-404	**1,203,632**	**32.3**
W-408	**1,084,360**	**28.6**
W-415	**1,525,856**	**38.8**
W-457	**297,856**	**7.4**
W-518	**160,466**	**4.0**
W-522	**525,696**	**13.9**
W-605	**342,604**	**8.9**
W-614	**434,408**	**11.5**
W-712	**195,912**	**5.4**
W-714	**230,592**	**5.9**
W-903	**499,704**	**12.7**
W-904	**600,272**	**16.6**
W-1001	**50,794**	**1.3**
W-1004	**391,808**	**10.7**
W-1009	**838,452**	**22.4**
Total:	**8,383,582**	**220.4**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
West Perimeter Drainage Channel	**TFB-R002**	**4,474,978**

Self-Monitoring Report (cont'd)
LLNL Treatment Facility A (TFA)
AREA TFA

Arroyo Seco	**TFG-ASW**	**3,908,604**

6. Comments:

Facility was shutdown on 04-05-2015 due to I/O fault. Facility was restarted on 04-07-2015. Facility was shutdown on 04-11-2015 due to I/O fault. Facility was restarted on 04-13-2015.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-01-2015**

Self-Monitoring Report
LLNL Treatment Facility A (TFA)
AREA TFA

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May **01 02 03 04 05 06 07 08 09 10 11 12 13 14 15**
16 17 18 19 20 21 22 23 24 25 26 27 28 29

Total monthly time facility operated (hours): **704**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-01-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**19.3**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-109	**0**	**0.0**
W-262	**0**	**0.0**
W-404	**1,316,656**	**30.9**
W-408	**1,188,800**	**28.6**
W-415	**1,737,216**	**40.7**
W-457	**324,248**	**7.7**
W-518	**178,654**	**4.3**
W-522	**580,544**	**13.7**
W-605	**374,808**	**9.2**
W-614	**479,704**	**11.7**
W-1001	**56,022**	**1.4**
W-1004	**440,304**	**10.7**
W-1009	**885,788**	**22.0**
W-712	**216,120**	**5.2**
W-714	**258,844**	**6.1**
W-903	**534,016**	**12.5**
W-904	**655,952**	**15.5**
Total:	**9,227,676**	**220.2**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
West Perimeter Drainage Channel	**TFB-R002**	**4,938,461**

Self-Monitoring Report (cont'd)
LLNL Treatment Facility A (TFA)
AREA TFA

Arroyo Seco	**TFG-ASW**	**4,289,215**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-01-2015**

Self-Monitoring Report
LLNL Treatment Facility A (TFA)
AREA TFA

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**30**	**31**												
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **762**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**06-02-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**19.2**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-109	**0**	**0.0**
W-262	**0**	**0.0**
W-404	**1,476,340**	**32.4**
W-408	**1,275,560**	**28.3**
W-415	**1,916,784**	**42.2**
W-457	**365,792**	**7.8**
W-518	**190,362**	**4.1**
W-522	**601,624**	**12.9**
W-605	**403,376**	**9.0**
W-614	**522,540**	**11.9**
W-712	**229,600**	**5.0**
W-714	**279,384**	**6.2**
W-903	**551,024**	**11.6**
W-904	**734,208**	**16.2**
W-1001	**62,256**	**1.3**
W-1004	**328,536**	**8.8**
W-1009	**963,824**	**20.6**
Total:	**9,901,210**	**218.3**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
West Perimeter Drainage Channel	**TFB-R002**	**5,264,564**

Self-Monitoring Report (cont'd)
LLNL Treatment Facility A (TFA)
AREA TFA

Arroyo Seco	**TFG-ASW**	**4,636,646**

6. Comments:

Facility was shutdown on 06-11-2015 for interlock checks. Facility was restarted on 06-12-2015.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-01-2015**

Self-Monitoring Report
LLNL Solar Treatment Unit 06 (STU06)
AREA TFA-E

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	

Total monthly time facility operated (hours): **0**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y): **Not Measured**
Influent pH:
Effluent pH:
Effluent Temperature (°C):

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-254	**0**	**0.0**
Total:	**0**	**0.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Seco	**TFG-ASW**	**0**

6. Comments:
Facility secured due to lack of water in extraction well.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **04-30-2015**

Self-Monitoring Report
LLNL Solar Treatment Unit 06 (STU06)
AREA TFA-E

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	30														
May	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
	16	17	18	19	20	21	22	23	24	25	26	27	28		

Total monthly time facility operated (hours): **0**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y): **Not Measured**
Influent pH:
Effluent pH:
Effluent Temperature (°C):

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-254	**0**	**0.0**
Total:	**0**	**0.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Seco	**TFG-ASW**	**0**

6. Comments:
Facility secured due to lack of water in extraction well.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-29-2015**

Self-Monitoring Report
LLNL Solar Treatment Unit 06 (STU06)
AREA TFA-E

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	29	30	31												
June	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	

Total monthly time facility operated (hours): **0**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y): **Not Measured**
Influent pH:
Effluent pH:
Effluent Temperature (°C):

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-254	**0**	**0.0**
Total:	**0**	**0.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Seco	**TFG-ASW**	**0**

6. Comments:
Facility secured due to lack of water in extraction well.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-30-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 13 (VES13)
AREA TFA-E

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

June	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
	16	**17**	**18**	19	20	21	22	23	24	25	26	27	28	29	30

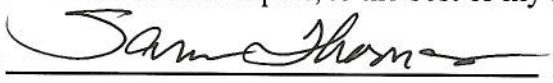
3. Wellfield Data:

Source	Monthly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-254	**1,053**	**49.9**	**-6**	**70**	**0**
W-1217	**405**	**22.4**	**-16**	**82**	**1**
W-116	**254**	**18.0**	**-20**	**86**	**0**
Total:	**1,712**	**90.2**			

4. Comments:

Facility was restarted on 06-17-2015 extracting from W-254. Facility was shutdown on 06-17-2015. Facility was restarted on 06-18-2015 extracting from W-1217. Facility was shutdown on 06-18-2015. Facility was restarted on 06-18-2015 extracting from W-116. Facility was shutdown on 06-18-2015.

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature:  Date: **07-13-2015**

Self-Monitoring Report
LLNL Treatment Facility B (TFB)
AREA TFB

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **720**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**04-02-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**19.3**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-357	**315,456**	**7.9**
W-610	**285,332**	**6.7**
W-620	**240,280**	**5.9**
W-621	**124**	**0.0**
W-655	**150**	**0.0**
W-704	**748,840**	**17.4**
W-1423	**143,204**	**4.0**
W-2501	**622,188**	**15.9**
W-2502	**184,817**	**4.5**
Total:	**2,540,391**	**62.3**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
West Perimeter Drainage Channel	**TFB-R002**	**1,994,341**
Building 133 Cooling Tower	**TFB-E-B133CT**	**546,050**

6. Comments:

Ion exchange resin columns removed from system on 4-1-15 due to conclusion of wet season.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Self-Monitoring Report (cont'd)
LLNL Treatment Facility B (TFB)
AREA TFB

Operator Signature: _____ Date: **05-01-2015**

Land Observation Report date:
TFB-R002 - West Perimeter Drainage Channel

1. Reporting Period: Business Month **April** Year **2015**

2. Date compliance sampling performed **04-02-2015**

3. Weather Conditions:

Average air tempertaure (°C):	**14.75**
6-day total precipitation (in):	**0.00**
Average wind speed/direction (mph):	**5/ SSW**

4. Receiving Data:

Sample Location	pH	Temperature (C)
Receiving Water	**N/M**	**N/M**

5. Land Observations, as "Yes" or "No", for reporting month:

Visual Observations	Effluent	Receiving Water
Floating and Suspended Materials of Waste Origin	**No**	**No**
Odor	**No**	**No**
Discoloration and Turbidity	Not Required	**No**
Evidence of Beneficial Water Use	Not Required	**No**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: Steve Kawazoe Sr. Date: **05-12-2015**

Self-Monitoring Report
LLNL Treatment Facility B (TFB)
AREA TFB

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	

Total monthly time facility operated (hours): **706**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-04-2015**
Influent pH:	**7.0**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**19.3**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-357	**324,384**	**7.8**
W-610	**284,304**	**6.9**
W-620	**224,544**	**5.6**
W-621	**0**	**0.0**
W-655	**0**	**0.0**
W-704	**727,344**	**17.4**
W-1423	**121,536**	**3.1**
W-2501	**681,944**	**16.3**
W-2502	**164,492**	**4.1**
Total:	**2,528,548**	**61.2**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
West Perimeter Drainage Channel	**TFB-R002**	**1,937,716**
Building 133 Cooling Tower	**TFB-E-B133CT**	**590,832**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Self-Monitoring Report (cont'd)
LLNL Treatment Facility B (TFB)
AREA TFB

Operator Signature: _____ Date: **06-01-2015**

Land Observation Report date:
TFB-R002 - West Perimeter Drainage Channel

1. Reporting Period: Business Month **May** Year **2015**

2. Date compliance sampling performed **05-04-2015**

3. Weather Conditions:

Average air tempertaure (°C):	**16.77**
6-day total precipitation (in):	**0.00**
Average wind speed/direction (mph):	**5/ SSW**

4. Receiving Data:

Sample Location	pH	Temperature (C)
Receiving Water	**N/M**	**N/M**

5. Land Observations, as "Yes" or "No", for reporting month:

Visual Observations	Effluent	Receiving Water
Floating and Suspended Materials of Waste Origin	**No**	**No**
Odor	**No**	**No**
Discoloration and Turbidity	Not Required	**No**
Evidence of Beneficial Water Use	Not Required	**No**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-31-2015**

Self-Monitoring Report
LLNL Treatment Facility B (TFB)
AREA TFB

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**30**	**31**													
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **779**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**06-01-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**19.3**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-357	**353,800**	**7.7**
W-610	**312,844**	**6.8**
W-620	**234,826**	**5.3**
W-621	**0**	**0.0**
W-655	**0**	**0.0**
W-704	**797,520**	**17.4**
W-1423	**127,848**	**2.2**
W-2501	**749,114**	**16.4**
W-2502	**175,394**	**3.4**
Total:	**2,751,346**	**59.2**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
West Perimeter Drainage Channel	**TFB-R002**	**1,615,927**
Building 133 Cooling Tower	**TFB-E-B133CT**	**1,135,419**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Self-Monitoring Report (cont'd)
LLNL Treatment Facility B (TFB)
AREA TFB

Operator Signature: Scott Carrazco Date: **07-01-2015**

Land Observation Report date:
TFB-R002 - West Perimeter Drainage Channel

1. Reporting Period: Business Month **June** Year **2015**

2. Date compliance sampling performed **06-01-2015**

3. Weather Conditions:

Average air tempertaure (°C):	**15.61**
6-day total precipitation (in):	**0.00**
Average wind speed/direction (mph):	**7/ WSW**

4. Receiving Data:

Sample Location	pH	Temperature (C)
Receiving Water	**N/M**	**N/M**

5. Land Observations, as "Yes" or "No", for reporting month:

Visual Observations	Effluent	Receiving Water
Floating and Suspended Materials of Waste Origin	**No**	**No**
Odor	**No**	**No**
Discoloration and Turbidity	Not Required	**No**
Evidence of Beneficial Water Use	Not Required	**No**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-31-2015**

Self-Monitoring Report
LLNL Treatment Facility C (TFC)
AREA TFC

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **728**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**04-02-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**20**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-701	**565,688**	**13.2**
W-1104	**1,186,752**	**27.0**
W-1116	**0**	**0.0**
Total:	**1,752,440**	**40.2**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**1,752,440**

6. Comments:

Ion exchange resin columns removed from treatment system on 4-1-15 due to conclusion of wet season.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-01-2015**

Land Observation Report date:
TFC-R003 - Arroyo Las Positas

1. Reporting Period: Business Month **April** Year **2015**

2. Date compliance sampling performed **04-02-2015**

3. Weather Conditions:

Average air tempertaure (°C):	**14.75**
6-day total precipitation (in):	**0.00**
Average wind speed/direction (mph):	**5/ SSW**

4. Receiving Data:

Sample Location	pH	Temperature (C)
Receiving Water	**N/M**	**N/M**

5. Land Observations, as "Yes" or "No", for reporting month:

Visual Observations	Effluent	Receiving Water
Floating and Suspended Materials of Waste Origin	**No**	**No**
Odor	**No**	**No**
Discoloration and Turbidity	Not Required	**No**
Evidence of Beneficial Water Use	Not Required	**No**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-12-2015**

Self-Monitoring Report
LLNL Treatment Facility C (TFC)
AREA TFC

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May **01 02 03 04 05 06 07 08 09 10 11 12 13 14 15**
16 17 18 19 20 21 22 23 24 25 26 27 28 29

Total monthly time facility operated (hours): **707**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-04-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**20.1**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-701	**547,904**	**13.1**
W-1104	**834,656**	**27.5**
W-1116	**66**	**0.0**
Total:	**1,382,626**	**40.6**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**1,382,626**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: Scott Kreitzman Date: **06-01-2015**

Land Observation Report date:
TFC-R003 - Arroyo Las Positas

1. Reporting Period: Business Month **May** Year **2015**

2. Date compliance sampling performed **05-04-2015**

3. Weather Conditions:

Average air tempertaure (°C):	**16.77**
6-day total precipitation (in):	**0.00**
Average wind speed/direction (mph):	**5/ SSW**

4. Receiving Data:

Sample Location	pH	Temperature (C)
Receiving Water	**N/M**	**N/M**

5. Land Observations, as "Yes" or "No", for reporting month:

Visual Observations	Effluent	Receiving Water
Floating and Suspended Materials of Waste Origin	**No**	**No**
Odor	**No**	**No**
Discoloration and Turbidity	Not Required	**No**
Evidence of Beneficial Water Use	Not Required	**No**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-31-2015**

Self-Monitoring Report
LLNL Treatment Facility C (TFC)
AREA TFC

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**30**	**31**												
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **777**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**06-01-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**20.8**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-701	**603,528**	**13.1**
W-1104	**1,218,896**	**26.0**
W-1116	**31,450**	**1.5**
Total:	**1,853,874**	**40.6**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**1,853,874**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-01-2015**

Land Observation Report date:
TFC-R003 - Arroyo Las Positas

1. Reporting Period: Business Month **June** Year **2015**

2. Date compliance sampling performed **06-01-2015**

3. Weather Conditions:

Average air tempertaure (°C):	**15.61**
6-day total precipitation (in):	**0.00**
Average wind speed/direction (mph):	**7/ WSW**

4. Receiving Data:

Sample Location	pH	Temperature (C)
Receiving Water	**N/M**	**N/M**

5. Land Observations, as "Yes" or "No", for reporting month:

Visual Observations	Effluent	Receiving Water
Floating and Suspended Materials of Waste Origin	**No**	**No**
Odor	**No**	**No**
Discoloration and Turbidity	Not Required	**No**
Evidence of Beneficial Water Use	Not Required	**No**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-31-2015**

Self-Monitoring Report
LLNL Mini Treatment Unit 1 (MTU1)
AREA TFC-E

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **720**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**04-09-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**20.1**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-368	**181,444**	**4.3**
W-413	**631,051**	**14.9**
Total:	**812,495**	**19.2**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**812,495**

6. Comments:

The resin columns were removed from the facility at 13:24 on 4-1-15.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-14-2015**

Self-Monitoring Report
LLNL Mini Treatment Unit 1 (MTU1)
AREA TFC-E

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	

Total monthly time facility operated (hours): **695**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-13-2015**
Influent pH:	**7.4**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**19.5**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-368	**160,374**	**3.8**
W-413	**567,568**	**13.5**
Total:	**727,942**	**17.3**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**727,942**

6. Comments:

Facility was shutdown at 08:35 on 05-20-2015 to download latest strategy, conduct control system field test and conduct interlock checks. Facility was restarted at 12:00 on 05-20-2015.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-04-2015**

Self-Monitoring Report
LLNL Mini Treatment Unit 1 (MTU1)
AREA TFC-E

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**30**	**31**													
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **768**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**06-17-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**21.3**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-368	**165,520**	**3.5**
W-413	**598,326**	**12.9**
Total:	**763,846**	**16.4**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**763,846**

6. Comments:

Additional gallons were added to the well volumes due to the fact that the TFRT numbers are inaccurate because of a power outage that occurred at B543.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-24-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 1 (PTU1)
AREA TFC-SE

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **730**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**04-02-2015**
Influent pH:	**7.0**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**16.8**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1213	**86,166**	**1.9**
W-2201	**201,005**	**10.0**
Total:	**287,171**	**11.9**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**287,171**

6. Comments:

Removed ion exchange resin columns from treatment system on 4-1-15 due to conclusion of wet season. Started W-2201 on 4-16-15.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: Stuart Kawazoe Ci Date: **05-01-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 1 (PTU1)
AREA TFC-SE

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	

Total monthly time facility operated (hours): **665**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-04-2015**
Influent pH:	**7.0**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**20.3**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1213	**79,400**	**2.1**
W-2201	**399,421**	**10.3**
Total:	**478,821**	**12.4**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**478,821**

6. Comments:

Facility was shutdown on 05-18-2015 due to high air stripper level fault. Facility was restarted on 05-18-2015. Facility was shutdown on 05-19-2015 due to high air stripper level fault. Facility was restarted on 05-19-2015.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-01-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 1 (PTU1)
AREA TFC-SE

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**30**	**31**													
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **771**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**06-01-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**21.2**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1213	**89,107**	**2.0**
W-2201	**464,566**	**10.1**
Total:	**553,673**	**12.1**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**553,673**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-01-2015**

Self-Monitoring Report
LLNL Treatment Facility D (TFD)
AREA TFD

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April **01 02 03 04 05 06 07 08 09 10 11 12 13 14 15**
16 17 18 19 20 21 22 23 24 25 26 27

Total monthly time facility operated (hours): **645**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**04-08-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**21.4**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-351	**45,197**	**1.2**
W-653	**2,372**	**3.0**
W-2011	**4,743**	**3.0**
W-2101	**6,185**	**3.0**
W-2102	**11,143**	**3.0**
W-1206	**491,419**	**12.7**
W-1208	**767,719**	**22.1**
Total:	**1,328,778**	**48.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**1,328,778**
TFD irrigation supply	**TFD-IRR**	**0**

6. Comments:
Facility was shutdown on 04-23-2015. Facility was restarted on 04-24-2015.
Facility was shutdown on 04-27-2015 for REVAL.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **04-30-2015**

Self-Monitoring Report
LLNL Treatment Facility D (TFD)
AREA TFD

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	28	29	30												
May	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
	16	17	18	19	20	21	22	23	24	25	26	27	28		

Total monthly time facility operated (hours): **0**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y): **Not Measured**
Influent pH:
Effluent pH:
Effluent Temperature (°C):

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-351	**0**	**0.0**
W-653	**0**	**0.0**
W-2011	**0**	**0.0**
W-2101	**0**	**0.0**
W-2102	**0**	**0.0**
W-1208	**0**	**0.0**
W-1206	**0**	**0.0**
Total:	**0**	**0.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**0**
TFD irrigation supply	**TFD-IRR**	**0**

6. Comments:
Facility was shutdown on 04-27-2015 for REVAL.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-29-2015**

Self-Monitoring Report
LLNL Treatment Facility D (TFD)
AREA TFD

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	29	30	31												
June	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	

Total monthly time facility operated (hours): **0**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y): **Not Measured**
Influent pH:
Effluent pH:
Effluent Temperature (°C):

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-351	**0**	**0.0**
W-653	**0**	**0.0**
W-2011	**0**	**0.0**
W-2101	**0**	**0.0**
W-2102	**0**	**0.0**
W-1206	**0**	**0.0**
W-1208	**0**	**0.0**
Total:	**0**	**0.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**0**
TFD irrigation supply	**TFD-IRR**	**0**

6. Comments:
Facility was shutdown on 04-27-2015 for REVAL.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-30-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 8 (PTU8)
AREA TFD-E

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April **01 02 03 04 05 06 07 08 09 10** 11 **12 13 14 15**
16 17 18 19 20 21 22 23 24 25 26 **27 28 29 30**

Total monthly time facility operated (hours): **649**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**04-08-2015**
Influent pH:	**7.0**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**18.7**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-2006	**489**	**0.0**
W-1301	**23,989**	**1.0**
W-1303	**37,843**	**1.0**
W-1306	**2,968**	**0.0**
W-1307	**205,246**	**5.0**
W-1550	**6,321**	**0.2**
W-2203	**2,955**	**0.0**
Total:	**279,811**	**7.2**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**279,811**

6. Comments:

Facility was shutdown on 04-22-2015. Facility was restarted on 04-23-2015.
Facility was shutdown on 04-23-2015. Facility was restarted on 04-24-2015.
Facility was shutdown on 04-25-2015. Facility was restarted on 04-27-2015.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: Scott Fawaz C. Date: **05-01-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 8 (PTU8)
AREA TFD-E

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May **01 02** 03 **04 05 06 07 08 09 10 11 12 13 14 15**
16 17 18 **19 20 21 22 23 24 25 26 27 28 29**

Total monthly time facility operated (hours): **566**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-01-2015**
Influent pH:	**7.0**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**22.3**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-2006	**708**	**0.0**
W-1301	**24,813**	**0.6**
W-1306	**3,564**	**0.0**
W-1307	**206,441**	**6.0**
W-1550	**5,786**	**0.2**
W-2203	**3,155**	**0.0**
W-1303	**39,680**	**0.9**
Total:	**284,147**	**7.7**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**284,147**

6. Comments:

Facility was shutdown on 05-02-2015. Facility was restarted on 05-04-2015.
Facility was shutdown on 05-16-2015. Facility was restarted on 05-19-2015.
Facility was shutdown on 05-19-2015. Facility was restarted on 05-20-2015.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-01-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 8 (PTU8)
AREA TFD-E

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**30**	**31**												
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **760**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**06-02-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**20.3**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-2006	**887**	**1.2**
W-1301	**31,926**	**0.7**
W-1303	**56,426**	**1.2**
W-1306	**4,759**	**1.6**
W-1307	**284,990**	**5.8**
W-1550	**7,530**	**1.1**
W-2203	**3,737**	**1.4**
Total:	**390,255**	**12.9**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**390,255**

6. Comments:

The facility was down for several hours due to a frozen discharge back pressure valve (6-4 and 6-9). Additional gallons were added to the well volumes due to the fact that the TFRT numbers are inaccurate because of a power outage that occurred at B543.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Self-Monitoring Report (cont'd)
LLNL Portable Treatment Unit 8 (PTU8)
AREA TFD-E

Operator Signature: _____ Date: **07-24-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 10 (PTU10)
AREA TFD-HPD

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **725**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**04-09-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**18.1**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1254	**166,095**	**3.5**
Total:	**166,095**	**3.5**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**166,095**

6. Comments:
NA

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: /Betty Kirk Date: **05-14-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 10 (PTU10)
AREA TFD-HPD

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May **01 02 03 04 05 06 07 08 09 10 11 12 13 14 15**
16 17 18 19 20 21 22 23 24 25 26 27 28 29

Total monthly time facility operated (hours): **707**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-07-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**19.2**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1254	**279,920**	**5.9**
Total:	**279,920**	**5.9**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**279,920**

6. Comments:
NA

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-04-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 10 (PTU10)
AREA TFD-HPD

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**30**	**31**													
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **771**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**06-16-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**22.3**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1254	**289,188**	**7.0**
Total:	**289,188**	**7.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**289,188**

6. Comments:
NA

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-24-2015**

Self-Monitoring Report
LLNL ISB01 (ISB01)
AREA TFD-HPD

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	01	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	23	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **628**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y): **Not Measured**
Influent pH:
Effluent pH:
Effluent Temperature (°C):

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1650	**870**	**1.6**
W-1653	**678**	**2.0**
W-1655	**47**	**0.8**
W-1657	**0**	**0.0**
Total:	**1,595**	**4.5**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
ISB01 injection well	**W-1552**	**1,595**

6. Comments:

Compliance sampling is not required at this facility due to the fact that ISB01 is a closed loop system, and water is not discharged to the environment. Water was circulated through the system but was not treated. Approximately 126 gallons of facility water were added to the pre-mixing tote on 4-20-15.The facility was down for approximately 64 hours for a variety of reasons: a new facility controller needed to be tested, facility preparation for Ethyl Lactate injection, Ethyl Lactate injection, filling of the pre-mixing tote with facility water, facility preparation for sampling, and facility sampling.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Self-Monitoring Report (cont'd)
LLNL ISB01 (ISB01)
AREA TFD-HPD

Operator Signature: _____ Date: **05-14-2015**

Self-Monitoring Report
LLNL ISB01 (ISB01)
AREA TFD-HPD

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**01**	**02**	**03**	**04**	05	06	07	08	09	10	11	**12**	13	14	15
	16	17	18	19	20	21	22	23	24	25	26	27	**28**	**29**	

Total monthly time facility operated (hours): **71**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y): **Not Measured**
Influent pH:
Effluent pH:
Effluent Temperature (°C):

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1650	**351**	**1.6**
W-1653	**242**	**2.5**
W-1655	**52**	**1.2**
W-1657	**0**	**0.0**
Total:	**645**	**5.4**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
ISB01 injection well	**W-1552**	**645**

6. Comments:

Compliance sampling is not required at this facility due to the fact that ISB01 is a closed loop system, and water is not discharged to the environment. Water was circulated through the system but was not treated. Approximately 156 gallons of facility water were added to the pre-mixing tote on 5-29-15. During this period of time the facility did not operate. The facility did not operate for most of the month due to numerous LSHH interlock alarm activations at W-1552. The facility did not operate until the cause for the shutdowns was determined and the problem resolved.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Self-Monitoring Report (cont'd)
LLNL ISB01 (ISB01)
AREA TFD-HPD

Operator Signature: _____ Date: **06-25-2015**

Self-Monitoring Report
LLNL ISB01 (ISB01)
AREA TFD-HPD

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	30	31													
June	01	02	**03**	**04**	**05**	**06**	**07**	08	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **603**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y): **Not Measured**
Influent pH:
Effluent pH:
Effluent Temperature (°C):

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1650	**809**	**2.2**
W-1653	**615**	**2.1**
W-1655	**71**	**1.1**
W-1657	**0**	**0.0**
Total:	**1,495**	**5.4**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
ISB01 injection well	**W-1552**	**1,495**

6. Comments:

Compliance sampling is not required at this facility due to the fact that ISB01 is a closed loop system, and water is not discharged to the environment. Water was circulated through the system but was not treated. Approximately 115 gallons of facility water were added to the pre-mixing tote on 6-18-15. Approximately 78 gallons of facility water were added to the pre-mixing tote on 6-29-15. During this period of time the facility did not operate. The facility was down for several days while maintenance work was being performed at W-1552. The facility was also down for several hours during the Ethyl Lactate injection process. The volume totals are calculations based on the meter readings at each well. The TFRT numbers are inaccurate due to a power outage at B543.

Self-Monitoring Report (cont'd)
LLNL ISB01 (ISB01)
AREA TFD-HPD

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-24-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 2 (PTU2)
AREA TFD-S

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **720**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**04-08-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**21.6**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1503	**488,674**	**11.3**
W-1504	**283,053**	**6.5**
W-1510	**89,949**	**2.1**
W-2601	**181,761**	**4.1**
Total:	**1,043,437**	**24.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**1,043,437**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-01-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 2 (PTU2)
AREA TFD-S

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May **01 02 03 04 05 06 07 08 09 10 11 12 13 14 15**
16 17 18 19 20 21 22 23 24 25 26 27 28 29

Total monthly time facility operated (hours): **696**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-08-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**22.3**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1503	**472,757**	**11.3**
W-1504	**276,167**	**6.6**
W-1510	**81,733**	**1.9**
W-2601	**171,212**	**4.0**
Total:	**1,001,869**	**23.8**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**1,001,869**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-02-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 2 (PTU2)
AREA TFD-S

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**30**	**31**												
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	27	28	29	**30**

Total monthly time facility operated (hours): **676**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**06-12-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**24.6**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1503	**458,746**	**11.4**
W-1504	**271,878**	**6.7**
W-1510	**85,740**	**2.1**
W-2601	**180,952**	**4.0**
Total:	**997,316**	**24.2**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**997,316**

6. Comments:

Facility was shutdown on 06-26-2015 due to W-2601 flow meter failure. Facility was restarted on 06-30-2015.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-17-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 11 (PTU11)
AREA TFD-SE

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **720**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**04-01-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**20.5**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-314	**176,727**	**4.2**
W-2005	**34,147**	**0.8**
W-1308	**39,401**	**1.0**
W-1904	**0**	**0.0**
W-1403	**39,027**	**0.9**
SIP-ETC-201	**0**	**0.0**
Total:	**289,302**	**6.8**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**289,302**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-06-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 11 (PTU11)
AREA TFD-SE

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	17	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**		

Total monthly time facility operated (hours): **584**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-04-2015**
Influent pH:	**8.0**
Effluent pH:	**8.0**
Effluent Temperature (°C):	**20.2**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-314	**149,895**	**4.2**
W-2005	**31,246**	**0.9**
W-1308	**38,721**	**1.0**
W-1403	**34,979**	**0.9**
W-1904	**0**	**0.0**
SIP-ETC-201	**0**	**0.0**
Total:	**254,841**	**7.1**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**254,841**

6. Comments:

Facility was shutdown on 05-16-2015 at 07:25 due to unplanned power outage. Facility was restarted on 05-18-2015 at 13:30. Facility was shutdown on 05-26-2015 at 19:45 due to stripper high level alarm. Facility was restarted on 05-27-2015 at 15:00.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-03-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 11 (PTU11)
AREA TFD-SE

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**29**	**30**	**31**												
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **792**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**06-02-2015**
Influent pH:	**8.0**
Effluent pH:	**8.0**
Effluent Temperature (°C):	**21**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-314	**200,739**	**4.1**
W-2005	**38,015**	**0.8**
W-1308	**62,156**	**1.2**
W-1403	**49,347**	**0.9**
W-1904	**0**	**0.0**
SIP-ETC-201	**0**	**0.0**
Total:	**350,257**	**7.1**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**350,257**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-13-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 12 (PTU12)
AREA TFD-SS

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **720**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**04-01-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**20.4**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1523	**193,307**	**4.5**
W-1601	**34,050**	**0.8**
W-1602	**88,930**	**2.1**
W-1603	**469,188**	**10.3**
Total:	**785,475**	**17.7**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**785,475**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-01-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 12 (PTU12)
AREA TFD-SS

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May **01 02 03 04 05 06 07 08 09 10 11 12 13 14 15**
16 17 **18 19 20 21 22 23 24 25 26 27 28 29**

Total monthly time facility operated (hours): **647**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-21-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**20.9**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1523	**177,097**	**4.7**
W-1601	**32,666**	**0.8**
W-1602	**84,456**	**2.4**
W-1603	**531,216**	**13.9**
Total:	**825,435**	**21.8**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**825,435**

6. Comments:
System secure from 5/16/15 to 5/18/15 due to power outage.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-02-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 12 (PTU12)
AREA TFD-SS

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**30**	**31**													
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	12	13	14	15
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **617**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**06-05-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**26.2**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1523	**177,993**	**4.6**
W-1601	**32,624**	**0.8**
W-1602	**83,189**	**2.5**
W-1603	**514,936**	**13.9**
Total:	**808,742**	**21.8**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**808,742**

6. Comments:

Facility was shutdown on 06-11-2015 to replace blower motor. Facility was restarted on 06-17-2015.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-10-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 6 (PTU6)
AREA TFD-W

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	01	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **671**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**04-08-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**20.1**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1215	**405,067**	**10.2**
W-1216	**402,307**	**10.0**
W-1902	**599,506**	**15.1**
Total:	**1,406,880**	**35.3**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**1,406,880**

6. Comments:

Facility was restarted at 13:44 on 04-02-2015 after the leak at the discharge pump was fixed. Facility shutdown at 04:13 on 04-24-2015 due to a power glitch. Facility was restarted at 10:09 on 04-24-2015.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-14-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 6 (PTU6)
AREA TFD-W

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	

Total monthly time facility operated (hours): **703**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-07-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**19.6**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1215	**417,358**	**10.0**
W-1216	**419,680**	**10.1**
W-1902	**628,425**	**15.1**
Total:	**1,465,463**	**35.2**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**1,465,463**

6. Comments:
NA

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-04-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 6 (PTU6)
AREA TFD-W

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**30**	**31**													
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **747**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**06-16-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**21.3**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1215	**436,635**	**11.0**
W-1216	**455,664**	**10.1**
W-1902	**666,555**	**15.2**
Total:	**1,558,854**	**36.3**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**1,558,854**

6. Comments:

Facility was shutdown on 06-10-2015. Facility was restarted on 06-11-2015.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-01-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 11 (VES11)
AREA VTFD-ETCS

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

April **01 02 03 04 05 06 07 08 09 10 11 12 13 14 15**
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

3. Wellfield Data:

Source	Monthly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-1904	**70**	**0.0**	**0**	**0**	**0**
W-ETC-2003	**497,530**	**10.7**	**-.73**	**68**	**727**
SIP-ETC-201	**14**	**0.0**	**0**	**0**	**0**
W-ETC-2004B	**715,454**	**19.0**	**-3.72**	**68**	**727**
W-ETC-2004A	**132,009**	**3.0**	**-4.13**	**68**	**727**
Total:	**1,345,077**	**32.8**			

4. Comments:

Quarterly vapor samples collected from operating and idle extraction wells 4-29-15.

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: Sam Thomas Date: **05-07-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 11 (VES11)
AREA VTFD-ETCS

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

May **01** **02** **03** **04** **05** **06** **07** **08** **09** **10** **11** **12** **13** **14** **15**
16 17 **18** **19** **20** **21** **22** **23** **24** **25** **26** **27** **28**

3. Wellfield Data:

Source	Monthly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-1904	**0**	**0.0**	**0**	**0**	**0**
W-ETC-2003	**318,884**	**7.9**	**-.62**	**61**	**624**
W-ETC-2004A	**49,551**	**1.9**	**-3.06**	**61**	**624**
W-ETC-2004B	**627,162**	**15.7**	**-2.71**	**61**	**624**
SIP-ETC-201	**0**	**0.0**	**0**	**0**	**0**
Total:	**995,597**	**25.5**			

4. Comments:

Facility was shutdown on 05-16-2015 at 07:25 due to unplanned power outage. Facility was restarted on 05-18-2015 at 11:40. Monthly volumes and hours of operation entered on this report have been amended due to totalizers incrementing while facility offline.

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: Sam Thomas Date: **06-04-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 11 (VES11)
AREA VTFD-ETCS

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

May	**29**	**30**	**31**											
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

3. Wellfield Data:

Source	Monthly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-1904	**0**	**0.0**	**0**	**0**	**0**
W-ETC-2003	**354,606**	**8.2**	**-.56**	**70**	**798**
W-ETC-2004A	**65,007**	**1.6**	**-2.57**	**70**	**798**
W-ETC-2004B	**561,258**	**8.5**	**-1.21**	**70**	**798**
SIP-ETC-201	**0**	**0.0**	**0**	**0**	**0**
Total:	**980,871**	**18.3**			

4. Comments:

VES 11 system vacuum adjusted to -23 inHg. 6-11-15 to mitigate the loss operating liquid relative to high ambient temperatures.

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature:  Date: **07-13-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 3 (PTU3)
AREA TFE-E

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April **01 02 03 04 05 06 07 08 09 10 11 12 13 14 15**
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

Total monthly time facility operated (hours): **732**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**04-02-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**20.2**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-566	**334,024**	**7.6**
W-1109	**51,479**	**1.2**
W-1903	**6,528**	**0.2**
W-1909	**0**	**0.0**
W-2305	**0**	**0.0**
Total:	**392,031**	**9.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**392,031**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: Sam Thomas Date: **05-06-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 3 (PTU3)
AREA TFE-E

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May **01 02 03 04 05 06 07 08 09 10 11 12 13 14 15**
16 17 18 19 20 21 22 23 24 25 26 27 28

Total monthly time facility operated (hours): **682**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-04-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**19.6**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-566	**313,612**	**7.8**
W-1109	**45,085**	**1.1**
W-1903	**5,579**	**0.2**
W-1909	**0**	**0.0**
W-2305	**0**	**0.0**
Total:	**364,276**	**9.1**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**364,276**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-03-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 3 (PTU3)
AREA TFE-E

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**29**	**30**	**31**												
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	13	14	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **751**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**06-02-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**20.9**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-566	**340,940**	**7.8**
W-1109	**49,533**	**1.1**
W-1903	**4,146**	**0.1**
W-1909	**0**	**0.0**
W-2305	**0**	**0.0**
Total:	**394,619**	**9.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**394,619**

6. Comments:

Facility was shutdown on 06-12-2015 for a planned power outage. Facility was restarted on 06-15-2015 at 15:37.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-13-2015**

Self-Monitoring Report
LLNL GAC Treatment Unit 07 (GTU07)
AREA TFE-HS

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **724**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**04-01-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**18.8**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-2105	**763**	**0.2**
W-2801	**39,859**	**0.9**
Total:	**40,622**	**1.2**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**40,622**

6. Comments:

Facility shutdown 4-8-15 at 11:50 due to W-2801 low flow interlock. Facility was restarted 4-8-15 at 17:02. Facility shutdown 4-14-15 at 04:20 due to W-2801 low flow interlock. Facility was restarted at 07:55.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-06-2015**

Self-Monitoring Report
LLNL GAC Treatment Unit 07 (GTU07)
AREA TFE-HS

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May **01 02 03 04 05 06 07 08 09 10 11 12 13 14 15**
16 17 18 19 20 21 22 23 24 25 26 27 28

Total monthly time facility operated (hours): **679**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-04-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**24.5**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-2105	**704**	**0.2**
W-2801	**35,204**	**0.8**
Total:	**35,908**	**1.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**35,908**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-03-2015**

Self-Monitoring Report
LLNL GAC Treatment Unit 07 (GTU07)
AREA TFE-HS

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**29**	**30**	**31**												
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **806**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-29-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**20.4**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-2105	**631**	**0.2**
W-2801	**40,413**	**0.8**
Total:	**41,044**	**1.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**41,044**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-13-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 9 (PTU9)
AREA TFE-NW

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **726**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**04-08-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**22.4**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1211	**283,488**	**6.7**
W-1409	**73,348**	**1.7**
Total:	**356,836**	**8.4**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**356,836**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-01-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 9 (PTU9)
AREA TFE-NW

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May **01 02 03 04 05 06 07 08 09 10 11 12 13 14 15**
16 17 18 19 20 21 22 23 24 25 26 27 28 29

Total monthly time facility operated (hours): **710**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-08-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**22**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1211	**270,385**	**6.4**
W-1409	**70,414**	**1.7**
Total:	**340,799**	**8.1**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**340,799**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-03-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 9 (PTU9)
AREA TFE-NW

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**30**	**31**												
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **781**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-30-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**22.1**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1211	**296,335**	**6.4**
W-1409	**76,436**	**1.6**
Total:	**372,771**	**8.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**372,771**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-10-2015**

Self-Monitoring Report
LLNL Mini Treatment Unit 04 (MTU04)
AREA TFE-SE

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **717**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**04-01-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**20.5**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-359	**362,793**	**8.4**
Total:	**362,793**	**8.4**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**362,793**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-07-2015**

Self-Monitoring Report
LLNL Mini Treatment Unit 04 (MTU04)
AREA TFE-SE

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May **01 02 03 04 05 06 07 08 09 10 11 12 13 14 15**
16 17 18 19 20 21 22 23 24 25 26 27 28

Total monthly time facility operated (hours): **668**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-04-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**20.1**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-359	**337,961**	**8.4**
Total:	**337,961**	**8.4**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**337,961**

6. Comments:

Facility was shutdown on 05-12-2015 at 09:45 to conduct system interlock checks. Facility was restarted on 05-12-2015 at 11:20.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-03-2015**

Self-Monitoring Report
LLNL Mini Treatment Unit 04 (MTU04)
AREA TFE-SE

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**29**	**30**	**31**												
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **783**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**06-02-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**21**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-359	**396,235**	**8.4**
Total:	**396,235**	**8.4**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**396,235**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-15-2015**

Self-Monitoring Report
LLNL Mini Treatment Unit 03 (MTU03)
AREA TFE-SW

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **720**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**04-08-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**19.2**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1516	**453,534**	**10.5**
W-1518	**0**	**0.0**
W-1520	**31,691**	**0.7**
W-1522	**32,207**	**0.8**
Total:	**517,432**	**12.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**517,432**

6. Comments:
NA

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-14-2015**

Self-Monitoring Report
LLNL Mini Treatment Unit 03 (MTU03)
AREA TFE-SW

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	

Total monthly time facility operated (hours): **692**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-07-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**19.9**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1516	**434,996**	**10.6**
W-1518	**0**	**0.0**
W-1520	**30,114**	**0.7**
W-1522	**32,392**	**0.8**
Total:	**497,502**	**12.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**497,502**

6. Comments:

Facility was shutdown at 8:52 on 05-28-2015 for CSFT /Interlock Checks.
Facility was restarted at 15:28 on 05-28-2015.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-04-2015**

Self-Monitoring Report
LLNL Mini Treatment Unit 03 (MTU03)
AREA TFE-SW

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**30**	**31**													
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **709**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**06-16-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**20.4**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1516	**446,036**	**10.1**
W-1518	**0**	**0.0**
W-1520	**33,141**	**0.8**
W-1522	**43,231**	**1.1**
Total:	**522,408**	**12.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**522,408**

6. Comments:

Facility shutdown at 16:19 on 06-08-2015 due to RIO Brain failure. Facility was restarted at 14:01 on 06-09-2015. Facility shutdown at 08:22 on 06-15-2015 due to low flow at W-1615. Facility was restarted at 12:53 on 06-15-2015. W-1520 and W-1522 were down for approximately 10 hours on 6-17-15.Facility shutdown at 07:23 on 06-22-2015 at W-1516 due to problem with RIO Brain . Facility was restarted at 13:56 on 06-23-2015. Facility shutdown at 06:44 on 06-30-2015 due to W-1516 low flow. Facility was restarted at 09:10 on 06-30-2015. Additional gallons were added to the well volumes due to the fact that the TFRT numbers are inaccurate because of a power outage that occurred at B543.

Self-Monitoring Report (cont'd)
LLNL Mini Treatment Unit 03 (MTU03)
AREA TFE-SW

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-24-2015**

Self-Monitoring Report
LLNL Mini Treatment Unit 05 (MTU05)
AREA TFE-W

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **720**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**04-08-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**20.4**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-292	**261,270**	**6.1**
W-305	**519,916**	**12.0**
Total:	**781,186**	**18.1**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**781,186**

6. Comments:
NA

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-14-2015**

Self-Monitoring Report
LLNL Mini Treatment Unit 05 (MTU05)
AREA TFE-W

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	27	28	**29**	

Total monthly time facility operated (hours): **602**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-13-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**20.3**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-292	**217,303**	**6.1**
W-305	**431,531**	**12.1**
Total:	**648,834**	**18.2**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**648,834**

6. Comments:

Facility was shutdown at 8:48 on 05-15-2015 for strategy update CSFT and interlock checks. Facility was restarted at 14:21 on 05-15-2015. Facility was shutdown at 15:40 on 05-26-2015 for air stripper maintenance. Facility was restarted at 14:16 on 05-29-2015.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-04-2015**

Self-Monitoring Report
LLNL Mini Treatment Unit 05 (MTU05)
AREA TFE-W

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**30**	**31**													
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **764**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**06-17-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**21.1**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-292	**278,719**	**6.1**
W-305	**467,630**	**12.1**
Total:	**746,349**	**18.2**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**746,349**

6. Comments:

Facility was shutdown at 10:25 on 06-08-2015 for W-305 flowmeter maintenance work. Facility was restarted at 14:16 on 06-08-2015. The flow rate at W-305 was erratic many times during the month. W-305 shut down several times during the month due to low flow. Repair/maintenance work continued on the W-305 flow meter.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-24-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 16 (VES16)
AREA VTFE-ELM

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

April **01 02 03 04 05 06 07 08 09 10 11 12 13 14 15**
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

3. Wellfield Data:

Source	Monthly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-1903	**139,780**	**3.3**	**-22.6**	**74**	**721**
W-1909	**0**	**0.0**	**0**	**0**	**0**
W-2305	**0**	**0.0**	**0**	**0**	**0**
W-543-001	**16**	**0.0**	**0**	**0**	**0**
W-543-003	**89,798**	**2.0**	**-.15**	**74**	**721**
W-543-1908	**18**	**0.0**	**0**	**0**	**0**
Total:	**229,612**	**5.4**			

4. Comments:
Vapor samples collected from idle and operating extraction wells 4-29-15.

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-06-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 16 (VES16)
AREA VTFE-ELM

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

May **01 02 03 04 05 06 07 08 09 10 11 12 13 14 15**
16 17 18 19 20 21 22 23 24 25 26 27 28

3. Wellfield Data:

Source	Monthly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-1903	**135,160**	**3.2**	**-22.55**	**72**	**672**
W-1909	**0**	**0.0**	**0**	**0**	**0**
W-2305	**0**	**0.0**	**0**	**0**	**0**
W-543-001	**0**	**0.0**	**0**	**0**	**0**
W-543-003	**83,500**	**2.1**	**-.02**	**72**	**672**
W-543-1908	**0**	**0.0**	**0**	**0**	**0**
Total:	**218,660**	**5.3**			

4. Comments:

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-03-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 16 (VES16)
AREA VTFE-ELM

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

May	**29**	**30**	**31**												
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	13	14	15
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

3. Wellfield Data:

Source	Monthly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-1903	**146,180**	**3.8**	**-21.96**	**70**	**720**
W-1909	**0**	**0.0**	**0**	**0**	**0**
W-2305	**0**	**0.0**	**0**	**0**	**0**
W-543-001	**0**	**0.0**	**0**	**0**	**0**
W-543-003	**89,538**	**2.1**	**-.02**	**70**	**720**
W-543-1908	**0**	**0.0**	**0**	**0**	**0**
Total:	**235,718**	**6.0**			

4. Comments:

Facility was shutdown on 06-12-2015 for planned power outage. Facility was restarted on 06-16-2015.

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-13-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 12 (VES12)
AREA VTFE-HS

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

April **01 02 03 04 05 06 07 08 09 10 11 12 13 14 15**
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

3. Wellfield Data:

Source	Monthly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-2105	**66,262**	**1.6**	**-15.17**	**58**	**728**
W-ETS-2008A	**0**	**0.0**	**0**	**0**	**0**
W-ETS-2008B	**771,214**	**17.2**	**-15.2**	**58**	**728**
W-ETS-2009	**0**	**0.0**	**0**	**0**	**0**
W-ETS-2010A	**0**	**0.0**	**0**	**0**	**0**
W-ETS-2010B	**0**	**0.0**	**0**	**0**	**0**
Total:	**837,476**	**18.8**			

4. Comments:

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: Sam Thomas Date: **05-06-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 12 (VES12)
AREA VTFE-HS

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

May **01 02 03 04 05 06 07 08 09 10 11 12 13 14 15**
16 17 18 19 20 21 22 23 24 25 26 27 28

3. Wellfield Data:

Source	Monthly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-2105	**63,078**	**1.6**	**-16.1**	**60**	**672**
W-ETS-2008A	**16**	**0.0**	**0**	**0**	**0**
W-ETS-2008B	**706,838**	**17.1**	**-15.47**	**60**	**672**
W-ETS-2009	**30**	**0.0**	**0**	**0**	**1**
W-ETS-2010A	**10**	**0.0**	**0**	**0**	**0**
W-ETS-2010B	**13**	**0.0**	**0**	**0**	**0**
Total:	**769,985**	**18.7**			

4. Comments:

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-03-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 12 (VES12)
AREA VTFE-HS

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

May	**29**	**30**	**31**												
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

3. Wellfield Data:

Source	Monthly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-2105	**62,711**	**1.3**	**-12.64**	**58**	**805**
W-ETS-2008A	**0**	**0.0**	**0**	**0**	**0**
W-ETS-2008B	**683,462**	**11.0**	**-12.55**	**58**	**805**
W-ETS-2009	**0**	**0.0**	**0**	**0**	**0**
W-ETS-2010A	**0**	**0.0**	**0**	**0**	**0**
W-ETS-2010B	**0**	**0.0**	**0**	**0**	**0**
Total:	**746,173**	**12.3**			

4. Comments:

Condensate transfer pump lost prime causing facility to shutdown 6-30-15.
Facility was restarted at 13:40.

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-15-2015**

Self-Monitoring Report
LLNL GAC Treatment Unit 01 (GTU01)
AREA TFG-1

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **697**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**04-15-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**20.3**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1111	**146,848**	**3.5**
Total:	**146,848**	**3.5**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Seco	**TFG-ASW**	**146,848**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-01-2015**

Self-Monitoring Report
LLNL GAC Treatment Unit 01 (GTU01)
AREA TFG-1

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May **01 02 03 04 05 06 07 08 09 10 11 12 13 14 15**
16 17 18 19 20 21 22 23 24 25 26 27 28 29

Total monthly time facility operated (hours): **696**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-01-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**21.7**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1111	**148,168**	**3.6**
Total:	**148,168**	**3.6**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Seco	**TFG-ASW**	**148,168**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-02-2015**

Self-Monitoring Report
LLNL GAC Treatment Unit 01 (GTU01)
AREA TFG-1

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**30**	**31**												
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **768**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-30-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**21.8**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1111	**143,066**	**3.0**
Total:	**143,066**	**3.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Seco	**TFG-ASW**	**143,066**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-10-2015**

Land Observation Report date:
TFG-ASW - Arroyo Seco

1. Reporting Period: Business Month **April** Year **2015**

2. Date compliance sampling performed **04-15-2015**

3. Weather Conditions:

Average air tempertaure (°C):	**13.48**
6-day total precipitation (in):	**0.00**
Average wind speed/direction (mph):	**5/ SSE**

4. Receiving Data:

Sample Location	pH	Temperature (C)
Receiving Water	**N/M**	**N/M**

5. Land Observations, as "Yes" or "No", for reporting month:

Visual Observations	Effluent	Receiving Water
Floating and Suspended Materials of Waste Origin	**No**	**No**
Odor	**No**	**No**
Discoloration and Turbidity	Not Required	**No**
Evidence of Beneficial Water Use	Not Required	**N/A**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **08-12-2015**

Land Observation Report date:
TFG-ASW - Arroyo Seco

1. Reporting Period: Business Month **May** Year **2015**

2. Date compliance sampling performed **05-15-2015**

3. Weather Conditions:

Average air tempertaure (°C):	**12.74**
6-day total precipitation (in):	**0.33**
Average wind speed/direction (mph):	**8/ SW**

4. Receiving Data:

Sample Location	pH	Temperature (C)
Receiving Water	**N/M**	**N/M**

5. Land Observations, as "Yes" or "No", for reporting month:

Visual Observations	Effluent	Receiving Water
Floating and Suspended Materials of Waste Origin	**No**	**No**
Odor	**No**	**No**
Discoloration and Turbidity	Not Required	**No**
Evidence of Beneficial Water Use	Not Required	**N/A**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **08-11-2015**

Land Observation Report date:
TFG-ASW - Arroyo Seco

1. Reporting Period: Business Month **June** Year **2015**

2. Date compliance sampling performed **06-05-2015**

3. Weather Conditions:

Average air tempertaure (°C):	**16.63**
6-day total precipitation (in):	**0.00**
Average wind speed/direction (mph):	**7/ WSW**

4. Receiving Data:

Sample Location	pH	Temperature (C)
Receiving Water	**N/M**	**N/M**

5. Land Observations, as "Yes" or "No", for reporting month:

Visual Observations	Effluent	Receiving Water
Floating and Suspended Materials of Waste Origin	**No**	**No**
Odor	**No**	**No**
Discoloration and Turbidity	Not Required	**No**
Evidence of Beneficial Water Use	Not Required	**N/A**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **08-11-2015**

Self-Monitoring Report
LLNL Mini Treatment Unit 02 (MTU02)
AREA TFG-N

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **724**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**04-15-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**22.3**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1806	**23,721**	**0.5**
W-1807	**163,608**	**3.8**
Total:	**187,329**	**4.3**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**187,329**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-01-2015**

Self-Monitoring Report
LLNL Mini Treatment Unit 02 (MTU02)
AREA TFG-N

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	

Total monthly time facility operated (hours): **706**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-15-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**22.2**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1806	**22,319**	**0.6**
W-1807	**165,494**	**4.0**
Total:	**187,813**	**4.6**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**187,813**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-03-2015**

Self-Monitoring Report
LLNL Mini Treatment Unit 02 (MTU02)
AREA TFG-N

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**30**	**31**												
June	**01**	**02**	**03**	04	05	06	07	08	09	10	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **545**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-30-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**23.1**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1806	**19,735**	**0.6**
W-1807	**125,219**	**4.5**
Total:	**144,954**	**5.1**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**144,954**

6. Comments:

Facility was shutdown on 06-03-2015 to assist in chemical spill clean up in storm drain. Facility was restarted on 06-11-2015.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-17-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 5 (PTU5)
AREA TF406

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	15
	16	17	18	19	20	21	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **525**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**04-08-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**21.1**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1309	**82**	**4.5**
W-1310	**274,489**	**8.8**
Total:	**274,571**	**13.3**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**274,571**

6. Comments:

Facility was shutdown at 07:46 on 04-14-2015 for a scheduled power outage. Facility was restarted at 13:45 on 04-22-2015 after the failed flow meter for W-1310 was replaced.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-14-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 5 (PTU5)
AREA TF406

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May **01 02 03 04 05 06 07 08 09 10 11 12 13 14 15**
16 17 18 19 20 21 22 23 24 25 26 27 28 29

Total monthly time facility operated (hours): **704**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-07-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**21.5**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1309	**0**	**0.0**
W-1310	**373,840**	**8.9**
Total:	**373,840**	**8.9**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**373,840**

6. Comments:
NA

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-04-2015**

Self-Monitoring Report
LLNL Portable Treatment Unit 5 (PTU5)
AREA TF406

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**30**	**31**													
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **772**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**06-16-2015**
Influent pH:	**7.5**
Effluent pH:	**7.5**
Effluent Temperature (°C):	**22**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1309	**0**	**0.0**
W-1310	**406,602**	**8.8**
Total:	**406,602**	**8.8**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**406,602**

6. Comments:
NA

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature:  Date: **07-24-2015**

Self-Monitoring Report
LLNL GAC Treatment Unit 03 (GTU03)
AREA TF406-NW

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	01	02	03	04	05	06	07	08	09	10	11	12	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **403**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**04-15-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**23**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1801	**172,815**	**7.3**
Total:	**172,815**	**7.3**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**172,815**

6. Comments:
System was secure for W-1801 well development 2/08/2015 to 04/13/2015

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-01-2015**

Self-Monitoring Report
LLNL GAC Treatment Unit 03 (GTU03)
AREA TF406-NW

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May **01 02 03 04 05 06 07 08 09 10 11 12 13 14 15**
16 17 18 19 20 21 22 23 24 25 26 27 28 29

Total monthly time facility operated (hours): **748**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-15-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**22**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1801	**311,609**	**7.0**
Total:	**311,609**	**7.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**311,609**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-03-2015**

Self-Monitoring Report
LLNL GAC Treatment Unit 03 (GTU03)
AREA TF406-NW

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**30**	**31**												
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	25	26	27	28	29	30

Total monthly time facility operated (hours): **571**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**06-05-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**22.1**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1801	**268,652**	**7.8**
Total:	**268,652**	**7.8**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**268,652**

6. Comments:

system secured from 6/24/2015 through the end of this reporting period for drilling activities near extraction well.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-10-2015**

Self-Monitoring Report
LLNL Solar Treatment Unit 09 (STU09)
AREA TF518-N

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	

Total monthly time facility operated (hours): **0**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y): **Not Measured**
Influent pH:
Effluent pH:
Effluent Temperature (°C):

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1410	**0**	**0.0**
Total:	**0**	**0.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**0**

6. Comments:

This treatment facility was shut down on 2-20-08 due to elevated tritium activities in the facility influent. The facility will be restarted once a solution for mixed waste generation is implemented.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **04-30-2015**

Self-Monitoring Report
LLNL Solar Treatment Unit 09 (STU09)
AREA TF518-N

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	30														
May	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
	16	17	18	19	20	21	22	23	24	25	26	27	28		

Total monthly time facility operated (hours): **0**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y): **Not Measured**
Influent pH:
Effluent pH:
Effluent Temperature (°C):

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1410	**0**	**0.0**
Total:	**0**	**0.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**0**

6. Comments:

This treatment facility was shut down on 2-20-08 due to elevated tritium activities in the facility influent. The facility will be restarted once a solution for mixed waste generation is implemented.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-29-2015**

Self-Monitoring Report
LLNL Solar Treatment Unit 09 (STU09)
AREA TF518-N

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	29	30	31												
June	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	

Total monthly time facility operated (hours): **0**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y): **Not Measured**
Influent pH:
Effluent pH:
Effluent Temperature (°C):

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1410	**0**	**0.0**
Total:	**0**	**0.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**0**

6. Comments:

This treatment facility was shut down on 2-20-08 due to elevated tritium activities in the facility influent. The facility will be restarted once a solution for mixed waste generation is implemented.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-30-2015**

Self-Monitoring Report
LLNL Treatment Facility 518-HDTANK (TF518-HDTANK)
AREA TF518-PZ

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	21	22	**23**	**24**	**25**	**26**	**27**	28	29	**30**

Total monthly time facility operated (hours): **572**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y): **Not Measured**
Influent pH:
Effluent pH:
Effluent Temperature (°C):

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1615	**24**	**0.0**
W-518-1913	**0**	**0.0**
W-518-1914	**0**	**0.0**
W-518-1915	**13**	**0.0**
SVB-518-201	**0**	**0.0**
SVB-518-204	**0**	**0.0**
Total:	**37**	**0.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
West Perimeter Drainage Channel	**TFB-R002**	**36**

6. Comments:

HDTANK operations secured 4-20-15 in preparation for Nitrogen Dissipation Test. Facility was restarted 4-23-15. Facility was secured 4-27-15 at 13:00 to allow groundwater levels to increase prior to collection of quarterly samples. Facility was restarted 4-30-15. Groundwater collected at this facility is transferred to and treated at TFB Main.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: Sam Thomas Date: **05-06-2015**

Self-Monitoring Report
LLNL Treatment Facility 518-HDTANK (TF518-HDTANK)
AREA TF518-PZ

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May **01 02 03 04 05 06 07 08 09 10 11 12 13 14 15**
16 17 18 19 20 21 22 23 24 25 26 27 28 29

Total monthly time facility operated (hours): **697**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y): **Not Measured**
Influent pH:
Effluent pH:
Effluent Temperature (°C):

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1615	**26**	**0.0**
W-518-1913	**0**	**0.0**
W-518-1914	**0**	**0.0**
W-518-1915	**20**	**0.0**
SVB-518-201	**0**	**0.0**
SVB-518-204	**0**	**0.0**
Total:	**46**	**0.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
West Perimeter Drainage Channel	**TFB-R002**	**45**

6. Comments:
Groundwater from this facility is transferred to and treated at TFB Main.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-03-2015**

Self-Monitoring Report
LLNL Treatment Facility 518-HDTANK (TF518-HDTANK)
AREA TF518-PZ

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**30**	**31**												
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

Total monthly time facility operated (hours): **767**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y): **Not Measured**
Influent pH:
Effluent pH:
Effluent Temperature (°C):

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1615	**19**	**0.0**
W-518-1913	**0**	**0.0**
W-518-1914	**0**	**0.0**
W-518-1915	**16**	**0.0**
SVB-518-201	**0**	**0.0**
SVB-518-204	**0**	**0.0**
Total:	**35**	**0.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
West Perimeter Drainage Channel	**TFB-R002**	**35**

6. Comments:
Groundwater from this facility is transferred to TFB Main for treatment.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-16-2015**

Self-Monitoring Report
LLNL Catalytic Reductive Dehalogenation 1 (CRD1)
AREA TF5475-1

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

Total monthly time facility operated (hours): **0**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y): **Not Measured**
Influent pH:
Effluent pH:
Effluent Temperature (°C):

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1302-2	**0**	**0.0**
Total:	**0**	**0.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
CRD-1 injection	**W-1302-1**	**0**

6. Comments:
The treatment facility was shut down on 7/27/07. The facility will be restarted once a solution for mixed waste generation is implemented.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-14-2015**

Self-Monitoring Report
LLNL Catalytic Reductive Dehalogenation 1 (CRD1)
AREA TF5475-1

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	

Total monthly time facility operated (hours): **0**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y): **Not Measured**
Influent pH:
Effluent pH:
Effluent Temperature (°C):

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1302-2	**0**	**0.0**
Total:	**0**	**0.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
CRD-1 injection	**W-1302-1**	**0**

6. Comments:
The treatment facility was shut down on 7/27/07. The facility will be restarted once a solution for mixed waste generation is implemented.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-04-2015**

Self-Monitoring Report
LLNL Catalytic Reductive Dehalogenation 1 (CRD1)
AREA TF5475-1

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	30	31													
June	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

Total monthly time facility operated (hours): **0**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y): **Not Measured**
Influent pH:
Effluent pH:
Effluent Temperature (°C):

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1302-2	**0**	**0.0**
Total:	**0**	**0.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
CRD-1 injection	**W-1302-1**	**0**

6. Comments:
The treatment facility was shut down on 7/27/07. The facility will be restarted once a solution for mixed waste generation is implemented.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-24-2015**

Self-Monitoring Report
LLNL GAC Treatment Unit 09 (GTU09)
AREA TF5475-2

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April **01 02 03 04 05 06 07 08 09 10 11 12 13 14 15**
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

Total monthly time facility operated (hours): **705**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**04-01-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**21.5**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1108	**92,297**	**2.3**
W-1415	**123**	**0.0**
Total:	**92,420**	**2.3**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**92,420**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-01-2015**

Self-Monitoring Report
LLNL GAC Treatment Unit 09 (GTU09)
AREA TF5475-2

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	17	18	**19**	**20**	**21**	**22**	**23**	24	25	**26**	**27**	**28**	**29**	

Total monthly time facility operated (hours): **451**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**05-21-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**22.1**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1108	**56,923**	**2.5**
W-1415	**0**	**0.0**
Total:	**56,923**	**2.5**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**56,923**

6. Comments:

System down time for the month due to electronic control failure and trouble shooting.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-03-2015**

Self-Monitoring Report
LLNL GAC Treatment Unit 09 (GTU09)
AREA TF5475-2

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	**30**	**31**												
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	

Total monthly time facility operated (hours): **762**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y):	**06-05-2015**
Influent pH:	**7.0**
Effluent pH:	**7.0**
Effluent Temperature (°C):	**22.1**

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1108	**93,939**	**2.1**
W-1415	**0**	**0.0**
Total:	**93,939**	**2.1**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
Arroyo Las Positas	**TFC-R003**	**93,939**

6. Comments:

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-10-2015**

Self-Monitoring Report
LLNL Catalytic Reductive Dehalogenation 2 (CRD2)
AREA TF5475-3

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

April	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

Total monthly time facility operated (hours): **0**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y): **Not Measured**
Influent pH:
Effluent pH:
Effluent Temperature (°C):

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1604	**0**	**0.0**
W-1605	**0**	**0.0**
W-1608	**0**	**0.0**
W-1609	**0**	**0.0**
Total:	**0**	**0.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
CRD-2 injection	**W-1610**	**0**

6. Comments:

The treatment facility was shut down on 8/31/07. The facility will be restarted once a solution for mixed waste generation is implemented.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-14-2015**

Self-Monitoring Report
LLNL Catalytic Reductive Dehalogenation 2 (CRD2)
AREA TF5475-3

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	

Total monthly time facility operated (hours): **0**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y): **Not Measured**
Influent pH:
Effluent pH:
Effluent Temperature (°C):

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1604	**0**	**0.0**
W-1605	**0**	**0.0**
W-1608	**0**	**0.0**
W-1609	**0**	**0.0**
Total:	**0**	**0.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
CRD-2 injection	**W-1610**	**0**

6. Comments:

The treatment facility was shut down on 8/31/07. The facility will be restarted once a solution for mixed waste generation is implemented.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-04-2015**

Self-Monitoring Report
LLNL Catalytic Reductive Dehalogenation 2 (CRD2)
AREA TF5475-3

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treated ground water was discharged

May	30	31													
June	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

Total monthly time facility operated (hours): **0**

3. Monthly Compliance Data:

Date compliance sampling performed (m/d/y): **Not Measured**
Influent pH:
Effluent pH:
Effluent Temperature (°C):

4. Wellfield Data:

Source	Monthly Volume(gal)	Instantaneous Flow Rate(gpm)
W-1604	**0**	**0.0**
W-1605	**0**	**0.0**
W-1608	**0**	**0.0**
W-1609	**0**	**0.0**
Total:	**0**	**0.0**

5. Discharge Information:

Discharge Location	Receiving Water Station	Volume
CRD-2 injection	**W-1610**	**0**

6. Comments:

The treatment facility was shut down on 8/31/07. The facility will be restarted once a solution for mixed waste generation is implemented.

7. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-24-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 08 (VES08)
AREA VTF406-HS

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

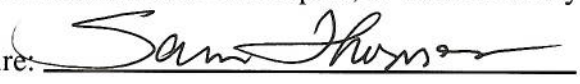
April **01 02 03 04 05 06 07 08 09 10 11 12 13 14 15**
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

3. Wellfield Data:

Source	Monthly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-217	**499,586**	**11.7**	**-2.21**	**68**	**717**
W-514-2007A	**0**	**0.0**	**0**	**0**	**0**
W-514-2007B	**374,578**	**8.6**	**-2.41**	**68**	**717**
Total:	**874,164**	**20.3**			

4. Comments:

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature:  Date: **05-11-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 08 (VES08)
AREA VTF406-HS

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

May **01 02 03 04 05 06 07 08 09 10 11 12 13 14 15**
16 17 18 19 20 21 22 23 24 25 26 27 28

3. Wellfield Data:

Source	Monthly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-217	**473,802**	**11.8**	**-2.14**	**67**	**674**
W-514-2007A	**0**	**0.0**	**0**	**0**	**0**
W-514-2007B	**352,755**	**8.7**	**-2.33**	**67**	**674**
Total:	**826,557**	**20.5**			

4. Comments:

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **08-12-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 08 (VES08)
AREA VTF406-HS

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

May	**29**	**30**	**31**												
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

3. Wellfield Data:

Source	Monthly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-217	**581,730**	**12.2**	**-1.89**	**76**	**792**
W-514-2007A	**0**	**0.0**	**0**	**0**	**0**
W-514-2007B	**391,067**	**8.1**	**-2.13**	**76**	**792**
Total:	**972,797**	**20.3**			

4. Comments:

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-13-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 05 (VES05)
AREA VTF511

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

April **01 02 03 04 05 06 07 08 09 10 11 12 13 14 15**
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

3. Wellfield Data:

Source	Monthly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-2208A	**0**	**0.0**	**0**	**0**	**0**
W-2208B	**784,334**	**18.1**	**-6.4**	**64**	**724**
W-2204	**0**	**0.0**	**0**	**0**	**0**
W-2205	**0**	**0.0**	**0**	**0**	**0**
W-2206	**0**	**0.0**	**0**	**0**	**0**
W-2207A	**0**	**0.0**	**0**	**0**	**0**
W-2207B	**767,894**	**17.9**	**-7**	**64**	**724**
Total:	**1,552,228**	**36.0**			

4. Comments:

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature:  Date: **05-06-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 05 (VES05)
AREA VTF511

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

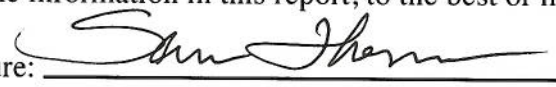
May **01 02 03 04 05 06 07 08 09 10 11 12 13 14 15**
16 17 18 19 20 21 22 23 24 25 26 27 28

3. Wellfield Data:

Source	Monthly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-2204	**0**	**0.0**	**0**	**0**	**0**
W-2205	**0**	**0.0**	**0**	**0**	**0**
W-2206	**0**	**0.0**	**0**	**0**	**0**
W-2207A	**0**	**0.0**	**0**	**0**	**0**
W-2207B	**749,328**	**18.3**	**-7**	**64**	**673**
W-2208A	**0**	**0.0**	**0**	**0**	**0**
W-2208B	**745,382**	**18.0**	**-6.3**	**64**	**673**
Total:	**1,494,710**	**36.2**			

4. Comments:

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature:  Date: **06-03-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 05 (VES05)
AREA VTF511

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

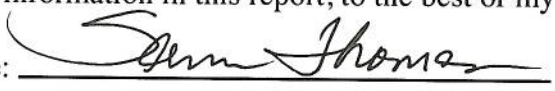
May	**29**	**30**	**31**												
June	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
	16	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**

3. Wellfield Data:

Source	Monthly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-2204	**0**	**0.0**	**0**	**0**	**0**
W-2205	**0**	**0.0**	**0**	**0**	**0**
W-2206	**0**	**0.0**	**0**	**0**	**0**
W-2207A	**17**	**0.0**	**0**	**0**	**0**
W-2207B	**878,926**	**18.7**	**-6.7**	**76**	**785**
W-2208A	**30**	**0.0**	**0**	**0**	**0**
W-2208B	**841,426**	**17.9**	**-6.2**	**76**	**785**
Total:	**1,720,399**	**36.6**			

4. Comments:

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature:  Date: **07-13-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 13 (VES13)
AREA VTF518-PZ

1. Reporting Period: Business Month **April Week: 1** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

March	28	29	30	31
April	01	02	03	

3. Wellfield Data:

Source	Weekly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-2214A	**0**	**0.0**	**0**	**0**	**0**
W-2214B	**0**	**0.0**	**0**	**0**	**0**
W-2215A	**0**	**0.0**	**0**	**0**	**0**
W-2215B	**0**	**0.0**	**0**	**0**	**0**
W-2217A	**0**	**0.0**	**0**	**0**	**0**
W-2217B	**0**	**0.0**	**0**	**0**	**0**
SVB-518-201	**0**	**0.0**	**0**	**0**	**0**
SVB-518-204	**0**	**0.0**	**0**	**0**	**0**
Total:	**0**	**0.0**			

4. Comments:
Facility did not operate during reporting week.

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: Sam Thomas Date: **05-06-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 13 (VES13)
AREA VTF518-PZ

1. Reporting Period: Business Month **April Week: 2** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

April 04 05 06 07 08 09 10

3. Wellfield Data:

Source	Weekly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-2214A	**0**	**0.0**	**0**	**0**	**0**
W-2214B	**0**	**0.0**	**0**	**0**	**0**
W-2215A	**0**	**0.0**	**0**	**0**	**0**
W-2215B	**0**	**0.0**	**0**	**0**	**0**
W-2217A	**0**	**0.0**	**0**	**0**	**0**
W-2217B	**0**	**0.0**	**0**	**0**	**0**
SVB-518-201	**0**	**0.0**	**0**	**0**	**0**
SVB-518-204	**0**	**0.0**	**0**	**0**	**0**
Total:	**0**	**0.0**			

4. Comments:
Facility did not operate during reporting week.

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: Sam Thomas Date: **05-06-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 13 (VES13)
AREA VTF518-PZ

1. Reporting Period: Business Month **April Week: 3** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

April 11 12 13 14 15 16 17

3. Wellfield Data:

Source	Weekly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-2214A	**0**	**0.0**	**0**	**0**	**0**
W-2214B	**0**	**0.0**	**0**	**0**	**0**
W-2215A	**0**	**0.0**	**0**	**0**	**0**
W-2215B	**0**	**0.0**	**0**	**0**	**0**
W-2217A	**0**	**0.0**	**0**	**0**	**0**
W-2217B	**0**	**0.0**	**0**	**0**	**0**
SVB-518-201	**0**	**0.0**	**0**	**0**	**0**
SVB-518-204	**0**	**0.0**	**0**	**0**	**0**
Total:	**0**	**0.0**			

4. Comments:
Facility did not operate during this reporting week.

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-06-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 13 (VES13)
AREA VTF518-PZ

1. Reporting Period: Business Month **April Week: 4** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

April 18 19 20 21 22 23 24

3. Wellfield Data:

Source	Weekly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-2214A	**0**	**0.0**	**0**	**0**	**0**
W-2214B	**0**	**0.0**	**0**	**0**	**0**
W-2215A	**0**	**0.0**	**0**	**0**	**0**
W-2215B	**0**	**0.0**	**0**	**0**	**0**
W-2217A	**0**	**0.0**	**0**	**0**	**0**
W-2217B	**0**	**0.0**	**0**	**0**	**0**
SVB-518-201	**0**	**0.0**	**0**	**0**	**0**
SVB-518-204	**0**	**0.0**	**0**	**0**	**0**
Total:	**0**	**0.0**			

4. Comments:
Facility did not operate during reporting week.

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: Sam Thomas Date: **05-06-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 13 (VES13)
AREA VTF518-PZ

1. Reporting Period: Business Month **May Week: 1** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

April	25	26	27	28	29	30
May	01					

3. Wellfield Data:

Source	Weekly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-2214A	**0**	**0.0**	**0**	**0**	**0**
W-2214B	**0**	**0.0**	**0**	**0**	**0**
W-2215A	**0**	**0.0**	**0**	**0**	**0**
W-2215B	**0**	**0.0**	**0**	**0**	**0**
W-2217A	**0**	**0.0**	**0**	**0**	**0**
W-2217B	**0**	**0.0**	**0**	**0**	**0**
SVB-518-201	**0**	**0.0**	**0**	**0**	**0**
SVB-518-204	**0**	**0.0**	**0**	**0**	**0**
Total:	**0**	**0.0**			

4. Comments:
Facility did not operate during reporting week.

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-03-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 13 (VES13)
AREA VTF518-PZ

1. Reporting Period: Business Month **May Week: 2** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

May 02 03 04 05 06 07 08

3. Wellfield Data:

Source	Weekly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-2214A	**0**	**0.0**	**0**	**0**	**0**
W-2214B	**0**	**0.0**	**0**	**0**	**0**
W-2215A	**0**	**0.0**	**0**	**0**	**0**
W-2215B	**0**	**0.0**	**0**	**0**	**0**
W-2217A	**0**	**0.0**	**0**	**0**	**0**
W-2217B	**0**	**0.0**	**0**	**0**	**0**
SVB-518-201	**0**	**0.0**	**0**	**0**	**0**
SVB-518-204	**0**	**0.0**	**0**	**0**	**0**
Total:	**0**	**0.0**			

4. Comments:
Facility did not operate during reporting week.

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: Sara Thomas Date: **06-03-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 13 (VES13)
AREA VTF518-PZ

1. Reporting Period: Business Month **May Week: 3** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

May 09 10 11 12 13 14 15

3. Wellfield Data:

Source	Weekly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-2214A	**0**	**0.0**	**0**	**0**	**0**
W-2214B	**0**	**0.0**	**0**	**0**	**0**
W-2215A	**0**	**0.0**	**0**	**0**	**0**
W-2215B	**0**	**0.0**	**0**	**0**	**0**
W-2217A	**0**	**0.0**	**0**	**0**	**0**
W-2217B	**0**	**0.0**	**0**	**0**	**0**
SVB-518-201	**0**	**0.0**	**0**	**0**	**0**
SVB-518-204	**0**	**0.0**	**0**	**0**	**0**
Total:	**0**	**0.0**			

4. Comments:
Facility did not operate during reporting week.

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-03-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 13 (VES13)
AREA VTF518-PZ

1. Reporting Period: Business Month **May Week: 4** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

May 16 17 18 19 20 21 22

3. Wellfield Data:

Source	Weekly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-2214A	**0**	**0.0**	**0**	**0**	**0**
W-2214B	**0**	**0.0**	**0**	**0**	**0**
W-2215A	**0**	**0.0**	**0**	**0**	**0**
W-2215B	**0**	**0.0**	**0**	**0**	**0**
W-2217A	**0**	**0.0**	**0**	**0**	**0**
W-2217B	**0**	**0.0**	**0**	**0**	**0**
SVB-518-201	**0**	**0.0**	**0**	**0**	**0**
SVB-518-204	**0**	**0.0**	**0**	**0**	**0**
Total:	**0**	**0.0**			

4. Comments:
Facility did not operate during reporting week.

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-03-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 13 (VES13)
AREA VTF518-PZ

1. Reporting Period: Business Month **May Week: 5** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

May 23 24 25 26 27 28 29

3. Wellfield Data:

Source	Weekly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-2214A	**0**	**0.0**	**0**	**0**	**0**
W-2214B	**0**	**0.0**	**0**	**0**	**0**
W-2215A	**0**	**0.0**	**0**	**0**	**0**
W-2215B	**0**	**0.0**	**0**	**0**	**0**
W-2217A	**0**	**0.0**	**0**	**0**	**0**
W-2217B	**0**	**0.0**	**0**	**0**	**0**
SVB-518-201	**0**	**0.0**	**0**	**0**	**0**
SVB-518-204	**0**	**0.0**	**0**	**0**	**0**
Total:	**0**	**0.0**			

4. Comments:
Facility did not operate during reporting week.

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: Sam Thomas Date: **06-03-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 19 (VES19)
AREA VTF518-PZ

1. Reporting Period: Business Month **April Week: 1** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

March	**28**	**29**	**30**	**31**
April	**01**	**02**	**03**	

3. Wellfield Data:

Source	Weekly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-1615	**40,176**	**4.0**	**-16**	**43**	**167**
W-518-1913	**0**	**0.0**	**0**	**0**	**0**
W-518-1914	**0**	**0.0**	**0**	**0**	**0**
W-518-1915	**21,092**	**2.1**	**-18**	**43**	**167**
SVB-518-201	**0**	**0.0**	**0**	**0**	**0**
SVB-518-204	**0**	**0.0**	**0**	**0**	**0**
Total:	**61,268**	**6.1**			

4. Comments:

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: Sam Thomas Date: **05-06-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 19 (VES19)
AREA VTF518-PZ

1. Reporting Period: Business Month **April Week: 2** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

April **04 05 06 07 08 09 10**

3. Wellfield Data:

Source	Weekly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-1615	**40,361**	**4.0**	**-15.5**	**47**	**168**
W-518-1913	**0**	**0.0**	**0**	**0**	**168**
W-518-1914	**0**	**0.0**	**0**	**0**	**168**
W-518-1915	**21,189**	**2.1**	**-18**	**47**	**168**
SVB-518-201	**0**	**0.0**	**0**	**0**	**168**
SVB-518-204	**0**	**0.0**	**0**	**0**	**168**
Total:	**61,550**	**6.1**			

4. Comments:

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-06-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 19 (VES19)
AREA VTF518-PZ

1. Reporting Period: Business Month **April Week: 3** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

April **11 12 13 14 15 16 17**

3. Wellfield Data:

Source	Weekly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-1615	**39,647**	**3.9**	**-16.5**	**59**	**169**
W-518-1913	**0**	**0.0**	**0**	**0**	**0**
W-518-1914	**0**	**0.0**	**0**	**0**	**0**
W-518-1915	**21,348**	**2.1**	**-18**	**59**	**169**
SVB-518-201	**0**	**0.0**	**0**	**0**	**0**
SVB-518-204	**0**	**0.0**	**0**	**0**	**0**
Total:	**60,995**	**6.0**			

4. Comments:

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-06-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 19 (VES19)
AREA VTF518-PZ

1. Reporting Period: Business Month **April Week: 4** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

April **18** **19** **20** 21 **22** **23** **24**

3. Wellfield Data:

Source	Weekly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-1615	**24,251**	**4.1**	**-15.5**	**53**	**99**
W-518-1913	**0**	**0.0**	**0**	**0**	**0**
W-518-1914	**0**	**0.0**	**0**	**0**	**0**
W-518-1915	**11,238**	**1.9**	**-18.5**	**53**	**99**
SVB-518-201	**0**	**0.0**	**0**	**0**	**0**
SVB-518-204	**876**	**11.4**	**-10**	**72**	**1**
Total:	**36,365**	**17.4**			

4. Comments:

Facility secured 4-20-15 at 08:25 in preparation for Nitrogen Dissipation Tests utilizing W-1615, W-518-1915 and SVB-518-204, and proposed expansion wells W-2215A and W-2215B. Tests concluded 4-23-15, facility operation restarted at 15:45. Volumes extracted during tests are entered on this report.

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: Sam Thomas Date: **05-06-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 19 (VES19)
AREA VTF518-PZ

1. Reporting Period: Business Month **May Week: 1** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

April **25 26 27 28 29 30**
May **01**

3. Wellfield Data:

Source	Weekly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-1615	**37,252**	**3.7**	**-17**	**71**	**168**
W-518-1913	**0**	**0.0**	**0**	**0**	**0**
W-518-1914	**0**	**0.0**	**0**	**0**	**0**
W-518-1915	**18,122**	**1.8**	**-18**	**71**	**168**
SVB-518-201	**0**	**0.0**	**0**	**0**	**0**
SVB-518-204	**0**	**0.0**	**0**	**0**	**0**
Total:	**55,374**	**5.5**			

4. Comments:

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-03-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 19 (VES19)
AREA VTF518-PZ

1. Reporting Period: Business Month **May Week: 2** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

May **02 03 04 05 06 07 08**

3. Wellfield Data:

Source	Weekly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-1615	**39,197**	**3.9**	**-16.5**	**63**	**168**
W-518-1913	**0**	**0.0**	**0**	**0**	**0**
W-518-1914	**0**	**0.0**	**0**	**0**	**0**
W-518-1915	**18,091**	**1.8**	**-18**	**63**	**168**
SVB-518-201	**0**	**0.0**	**0**	**0**	**0**
SVB-518-204	**0**	**0.0**	**0**	**0**	**0**
Total:	**57,288**	**5.7**			

4. Comments:

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: Sara Thomas Date: **06-03-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 19 (VES19)
AREA VTF518-PZ

1. Reporting Period: Business Month **May Week: 3** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

May **09 10 11 12 13 14 15**

3. Wellfield Data:

Source	Weekly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-1615	**41,060**	**4.1**	**-16**	**62**	**167**
W-518-1913	**0**	**0.0**	**0**	**0**	**0**
W-518-1914	**0**	**0.0**	**0**	**0**	**0**
W-518-1915	**18,026**	**1.8**	**-18**	**62**	**167**
SVB-518-201	**0**	**0.0**	**0**	**0**	**0**
SVB-518-204	**0**	**0.0**	**0**	**0**	**0**
Total:	**59,086**	**5.9**			

4. Comments:

Quarterly vapor samples collected from idle and operating extraction wells 5-12-15.

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: Sam Thomas Date: **06-03-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 19 (VES19)
AREA VTF518-PZ

1. Reporting Period: Business Month **May Week: 4** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

May **16 17 18 19 20 21 22**

3. Wellfield Data:

Source	Weekly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-1615	**40,582**	**4.0**	**-16.3**	**62**	**169**
W-518-1913	**0**	**0.0**	**0**	**0**	**0**
W-518-1914	**0**	**0.0**	**0**	**0**	**0**
W-518-1915	**18,262**	**1.8**	**-18.2**	**62**	**169**
SVB-518-201	**0**	**0.0**	**0**	**0**	**0**
SVB-518-204	**0**	**0.0**	**0**	**0**	**0**
Total:	**58,844**	**5.8**			

4. Comments:

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: Sam Thomas Date: **06-03-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 19 (VES19)
AREA VTF518-PZ

1. Reporting Period: Business Month **May Week: 5** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

May **23 24 25 26 27 28 29**

3. Wellfield Data:

Source	Weekly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-1615	**40,298**	**4.0**	**-16**	**55**	**168**
W-518-1913	**0**	**0.0**	**0**	**0**	**0**
W-518-1914	**0**	**0.0**	**0**	**0**	**0**
W-518-1915	**19,142**	**1.9**	**-18**	**55**	**168**
SVB-518-201	**0**	**0.0**	**0**	**0**	**0**
SVB-518-204	**0**	**0.0**	**0**	**0**	**0**
Total:	**59,440**	**5.9**			

4. Comments:

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: Sam Thomas Date: **06-03-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 19 (VES19)
AREA VTF518-PZ

1. Reporting Period: Business Month **June Week: 1** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

May	**30**	**31**			
June	**01**	**02**	**03**	**04**	**05**

3. Wellfield Data:

Source	Weekly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-1615	**39,031**	**3.9**	**-16.5**	**56**	**167**
W-518-1913	**0**	**0.0**	**0**	**0**	**0**
W-518-1914	**0**	**0.0**	**0**	**0**	**0**
W-518-1915	**18,014**	**1.8**	**-18**	**56**	**167**
SVB-518-201	**0**	**0.0**	**0**	**0**	**0**
SVB-518-204	**0**	**0.0**	**0**	**0**	**0**
Total:	**57,045**	**5.7**			

4. Comments:

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-13-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 19 (VES19)
AREA VTF518-PZ

1. Reporting Period: Business Month **June Week: 2** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

June **06 07 08 09 10 11 12**

3. Wellfield Data:

Source	Weekly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-1615	**40,370**	**4.0**	**-16**	**67**	**168**
W-518-1913	**0**	**0.0**	**0**	**0**	**0**
W-518-1914	**0**	**0.0**	**0**	**0**	**0**
W-518-1915	**18,167**	**1.8**	**-18**	**67**	**168**
SVB-518-201	**0**	**0.0**	**0**	**0**	**0**
SVB-518-204	**0**	**0.0**	**0**	**0**	**0**
Total:	**58,537**	**5.8**			

4. Comments:

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-13-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 19 (VES19)
AREA VTF518-PZ

1. Reporting Period: Business Month **June Week: 3** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

June **13 14 15 16 17 18 19**

3. Wellfield Data:

Source	Weekly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-1615	**39,335**	**3.9**	**-16.5**	**56**	**168**
W-518-1913	**0**	**0.0**	**0**	**0**	**0**
W-518-1914	**0**	**0.0**	**0**	**0**	**0**
W-518-1915	**19,163**	**1.9**	**-18.5**	**56**	**168**
SVB-518-201	**0**	**0.0**	**0**	**0**	**0**
SVB-518-204	**0**	**0.0**	**0**	**0**	**0**
Total:	**58,498**	**5.8**			

4. Comments:

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: Sam Thomas Date: **07-13-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 19 (VES19)
AREA VTF518-PZ

1. Reporting Period: Business Month **June Week: 4** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

June **20 21 22 23 24 25 26**

3. Wellfield Data:

Source	Weekly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-1615	**38,288**	**3.8**	**-17**	**72**	**168**
W-518-1913	**0**	**0.0**	**0**	**0**	**0**
W-518-1914	**0**	**0.0**	**0**	**0**	**0**
W-518-1915	**18,136**	**1.8**	**-18**	**72**	**168**
SVB-518-201	**0**	**0.0**	**0**	**0**	**0**
SVB-518-204	**0**	**0.0**	**0**	**0**	**0**
Total:	**56,424**	**5.6**			

4. Comments:

5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-13-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 01 (VES01)
AREA VTF5475

1. Reporting Period: Business Month **April** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

April	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

3. Wellfield Data:

Source	Monthly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-1605	**0**	**0.0**	**0**	**0**	**0**
W-1608	**0**	**0.0**	**0**	**0**	**0**
W-2211	**0**	**0.0**	**0**	**0**	**0**
W-2212	**0**	**0.0**	**0**	**0**	**0**
SVI-ETS-504	**0**	**0.0**	**0**	**0**	**0**
W-ETS-507	**0**	**0.0**	**0**	**0**	**0**
W-2302	**0**	**0.0**	**0**	**0**	**0**
W-2303	**0**	**0.0**	**0**	**0**	**0**
Total:	**0**	**0.0**			

4. Discharge Information:

Discharge Location	Receiving Water Station	Volume
VTF5475 Vapor Injection Well	**SVI-ETS-505**	**0**

5. Comments:

This treatment facility was shut down on 10-12-07 due to a FY2008 funding reduction. The facility will be restarted once a solution for mixed waste generation is implemented.

6. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **05-14-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 01 (VES01)
AREA VTF5475

1. Reporting Period: Business Month **May** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

May	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	

3. Wellfield Data:

Source	Monthly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-1605	**0**	**0.0**	**0**	**0**	**0**
W-1608	**0**	**0.0**	**0**	**0**	**0**
W-2211	**0**	**0.0**	**0**	**0**	**0**
W-2212	**0**	**0.0**	**0**	**0**	**0**
W-ETS-507	**0**	**0.0**	**0**	**0**	**0**
W-2302	**0**	**0.0**	**0**	**0**	**0**
W-2303	**0**	**0.0**	**0**	**0**	**0**
SVI-ETS-504	**0**	**0.0**	**0**	**0**	**0**
Total:	**0**	**0.0**			

4. Discharge Information:

Discharge Location	Receiving Water Station	Volume
VTF5475 Vapor Injection Well	**SVI-ETS-505**	**0**

5. Comments:

This treatment facility was shut down on 10-12-07 due to a FY2008 funding reduction. The facility will be restarted once a solution for mixed waste generation is implemented.

6. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **06-04-2015**

Self-Monitoring Report
LLNL Vapor Extraction System 01 (VES01)
AREA VTF5475

1. Reporting Period: Business Month **June** Year **2015**

2. Dates (in **bold** and underline) treatment facility operated

May	30	31													
June	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

3. Wellfield Data:

Source	Monthly Volume(cu. ft)	Instantaneous Flow Rate(scfm)	P(in. Hg)	T(°F)	Hours of Op.
W-1605	**0**	**0.0**	**0**	**0**	**0**
W-1608	**0**	**0.0**	**0**	**0**	**0**
W-2211	**0**	**0.0**	**0**	**0**	**0**
W-2212	**0**	**0.0**	**0**	**0**	**0**
SVI-ETS-504	**0**	**0.0**	**0**	**0**	**0**
W-ETS-507	**0**	**0.0**	**0**	**0**	**0**
W-2302	**0**	**0.0**	**0**	**0**	**0**
W-2303	**0**	**0.0**	**0**	**0**	**0**
Total:	**0**	**0.0**			

4. Discharge Information:

Discharge Location	Receiving Water Station	Volume
VTF5475 Vapor Injection Well	**SVI-ETS-505**	**0**

5. Comments:

This treatment facility was shut down on 10-12-07 due to a FY2008 funding reduction. The facility will be restarted once a solution for mixed waste generation is implemented.

6. I certify that the information in this report, to the best of my knowledge, is true and correct.

Operator Signature: _____ Date: **07-24-2015**

Attachment C

Figures

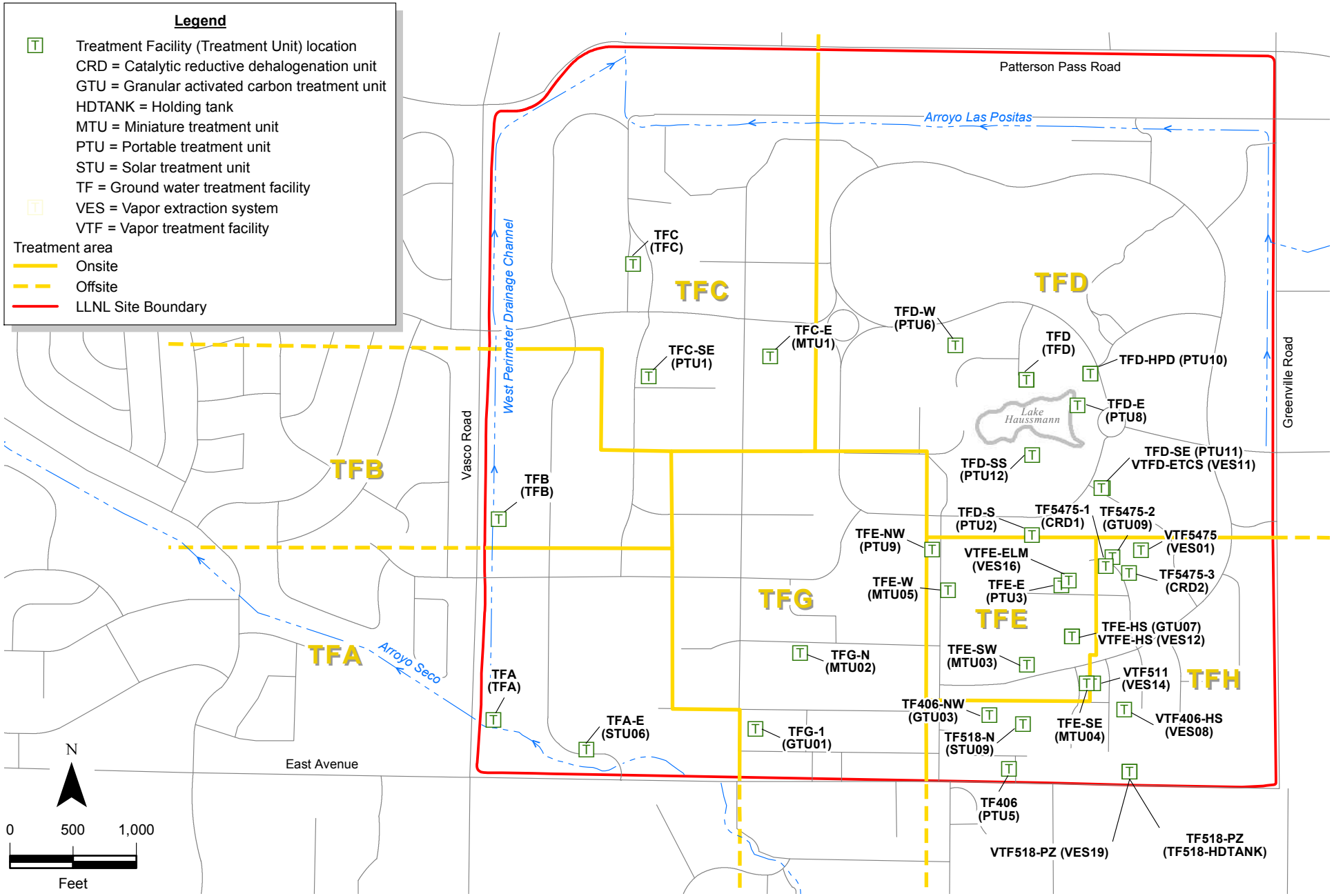


Figure 1. Livermore Site treatment areas and treatment facility locations.

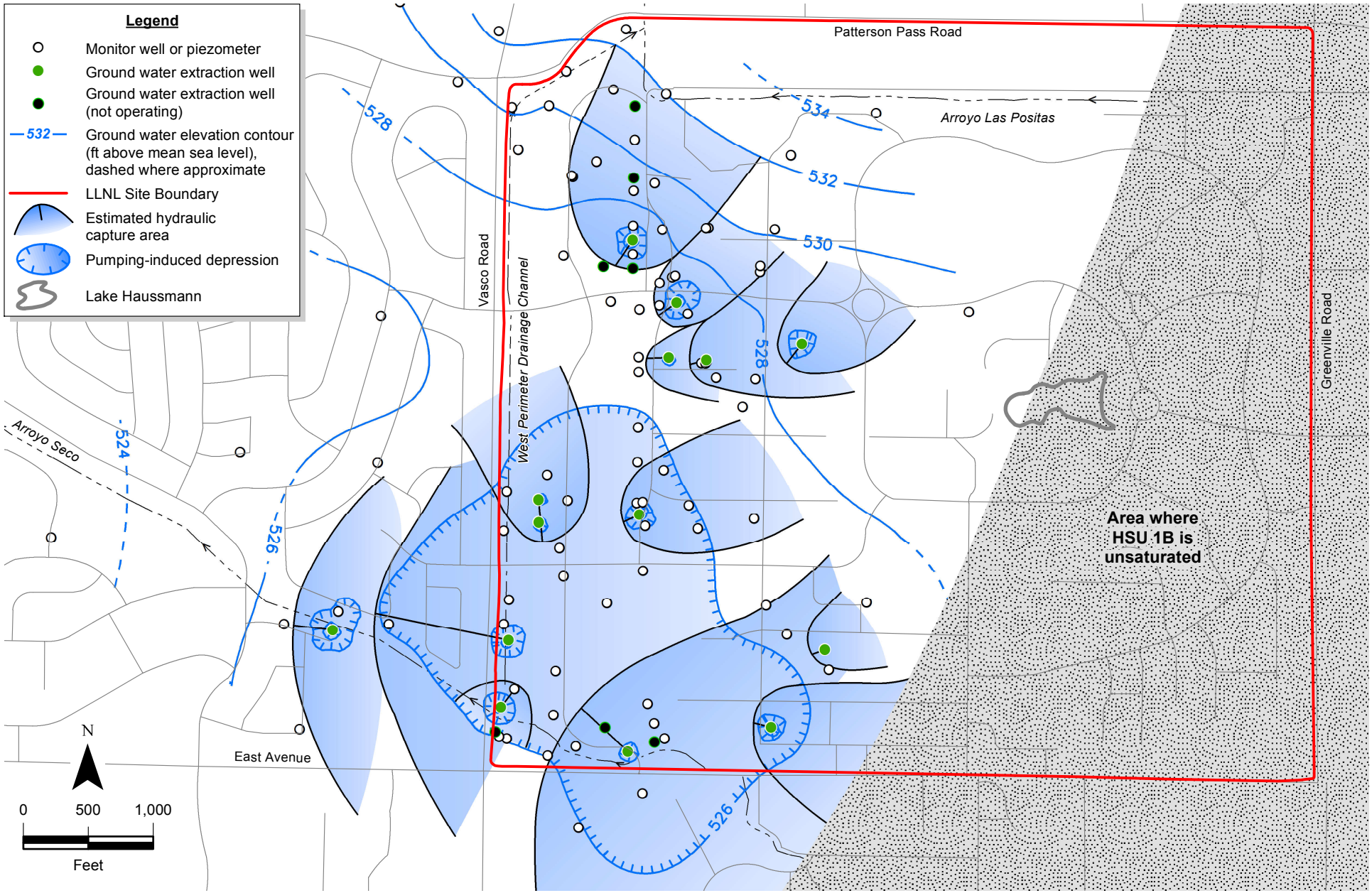


Figure 2. Ground water elevation contour map based on 107 wells completed within HSU-1B showing estimated hydraulic capture areas, LLNL and vicinity, second quarter 2015.

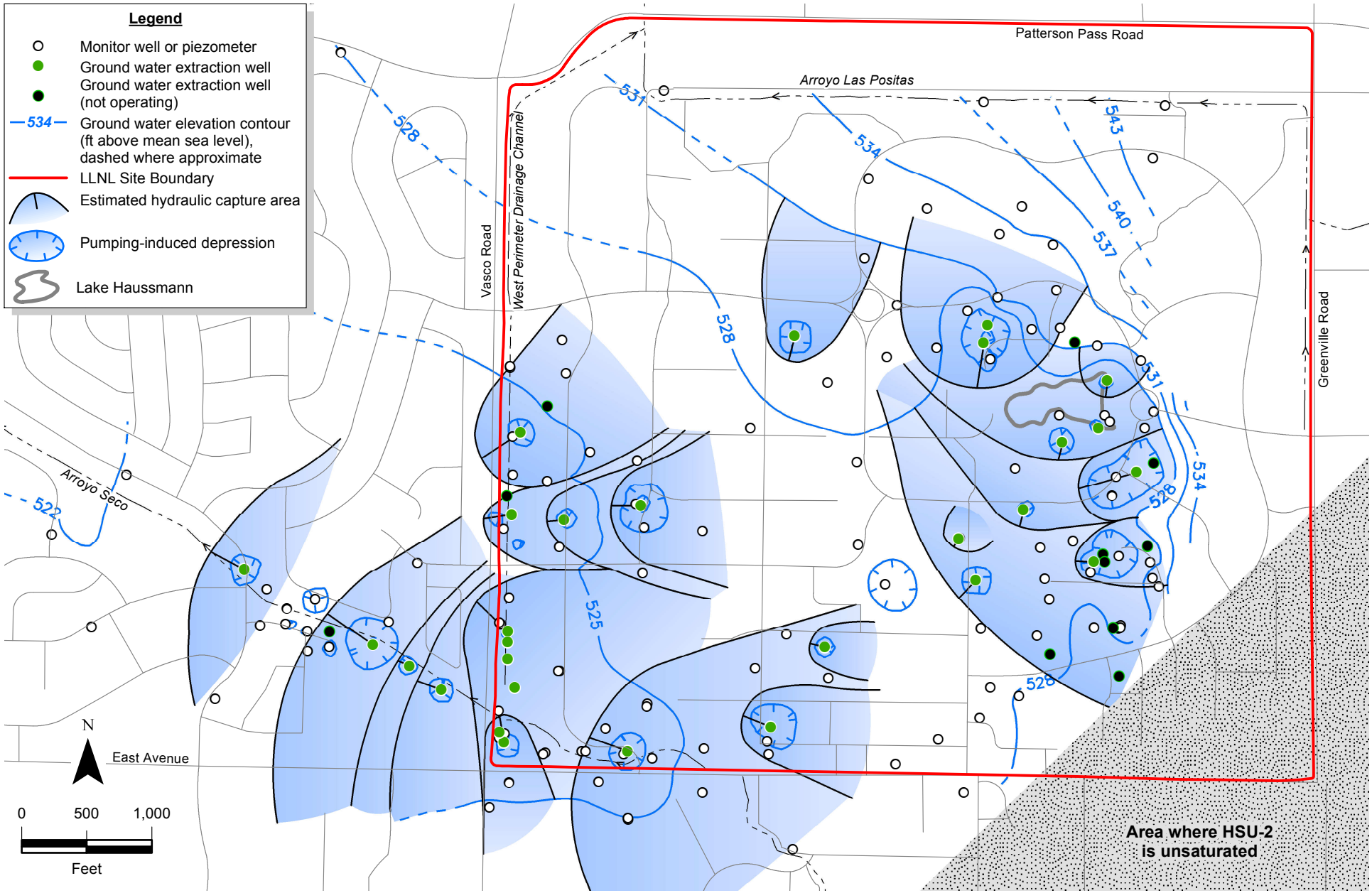


Figure 3. Ground water elevation contour map based on 159 wells completed within HSU-2 showing estimated hydraulic capture areas, LLNL and vicinity, second quarter 2015.

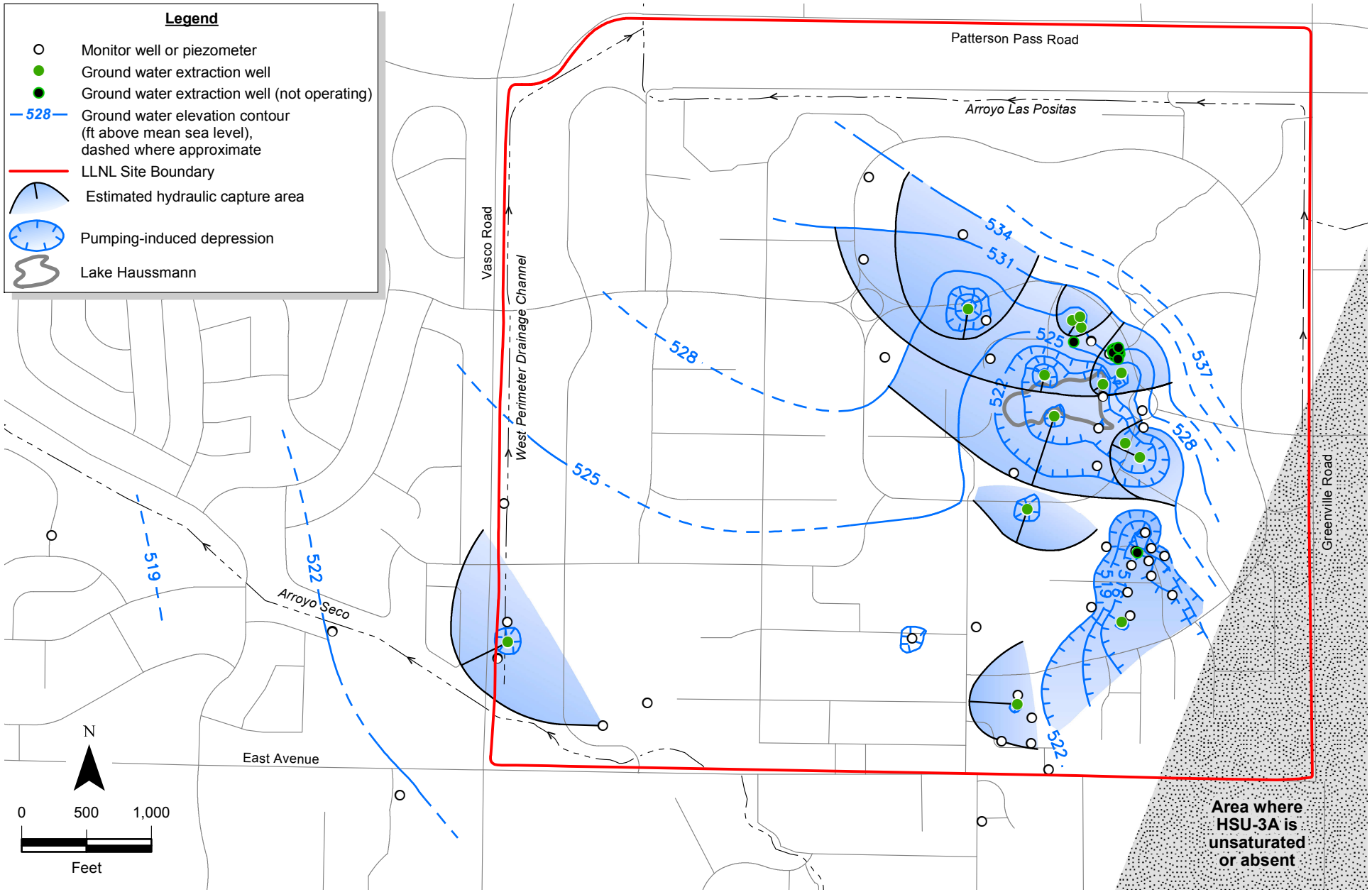


Figure 4. Ground water elevation contour map based on 70 wells completed within HSU-3A showing estimated hydraulic capture areas, LLNL and vicinity, second quarter 2015.

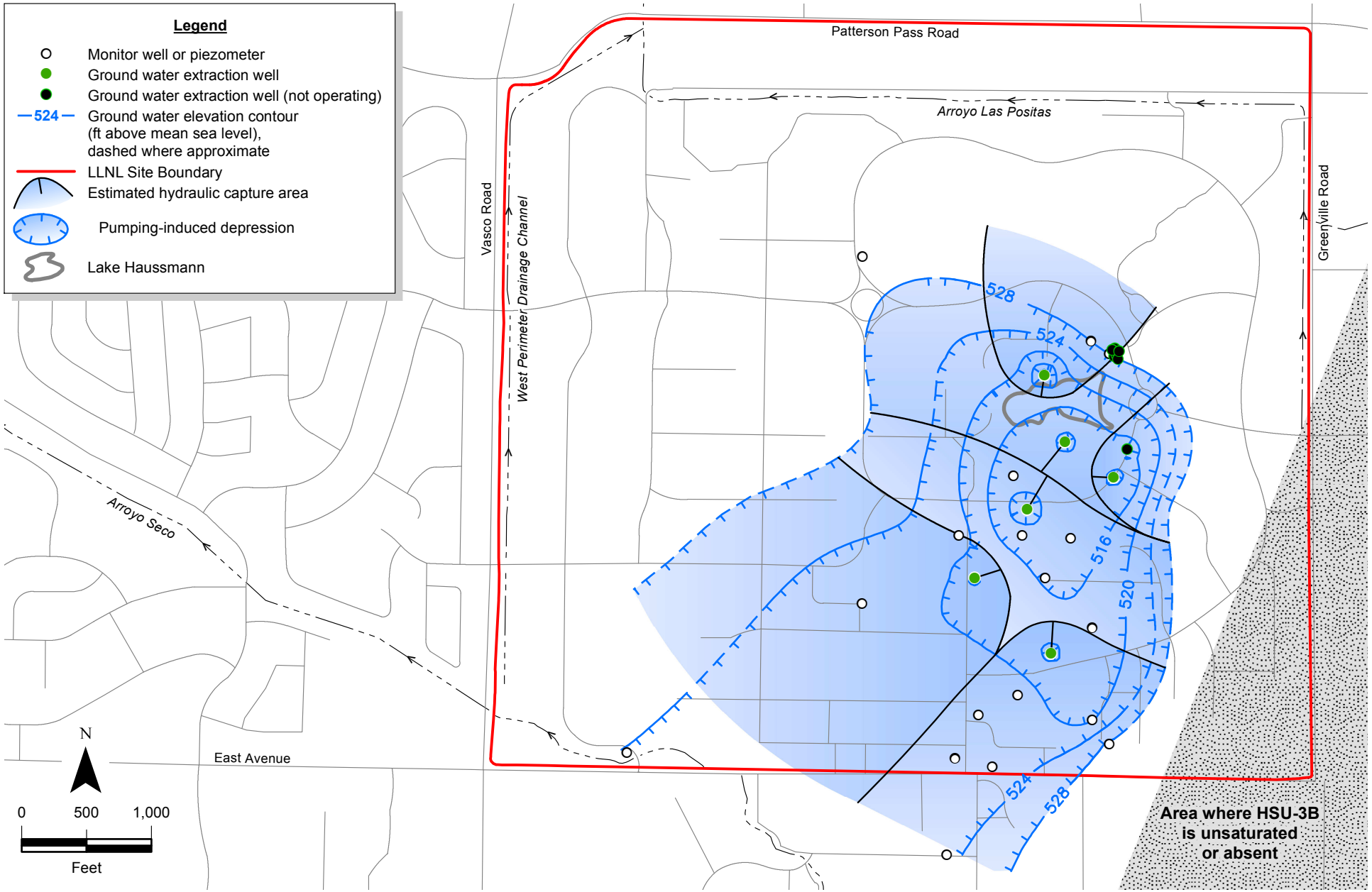


Figure 5. Ground water elevation contour map based on 31 wells completed within HSU-3B showing estimated hydraulic capture areas, LLNL and vicinity, second quarter 2015.

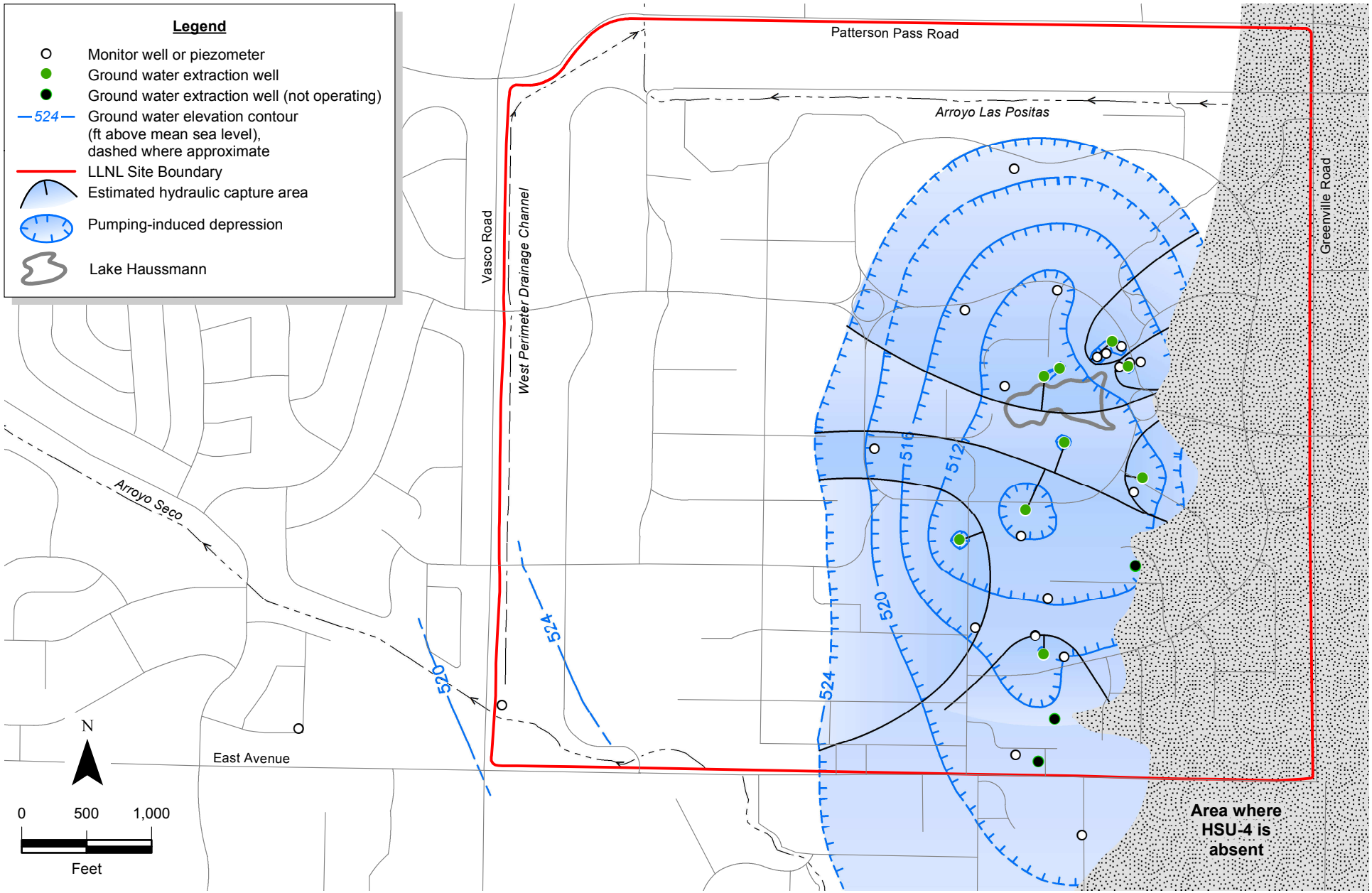


Figure 6. Ground water elevation contour map based on 33 wells completed within HSU-4 showing estimated hydraulic capture areas, LLNL and vicinity, second quarter 2015.

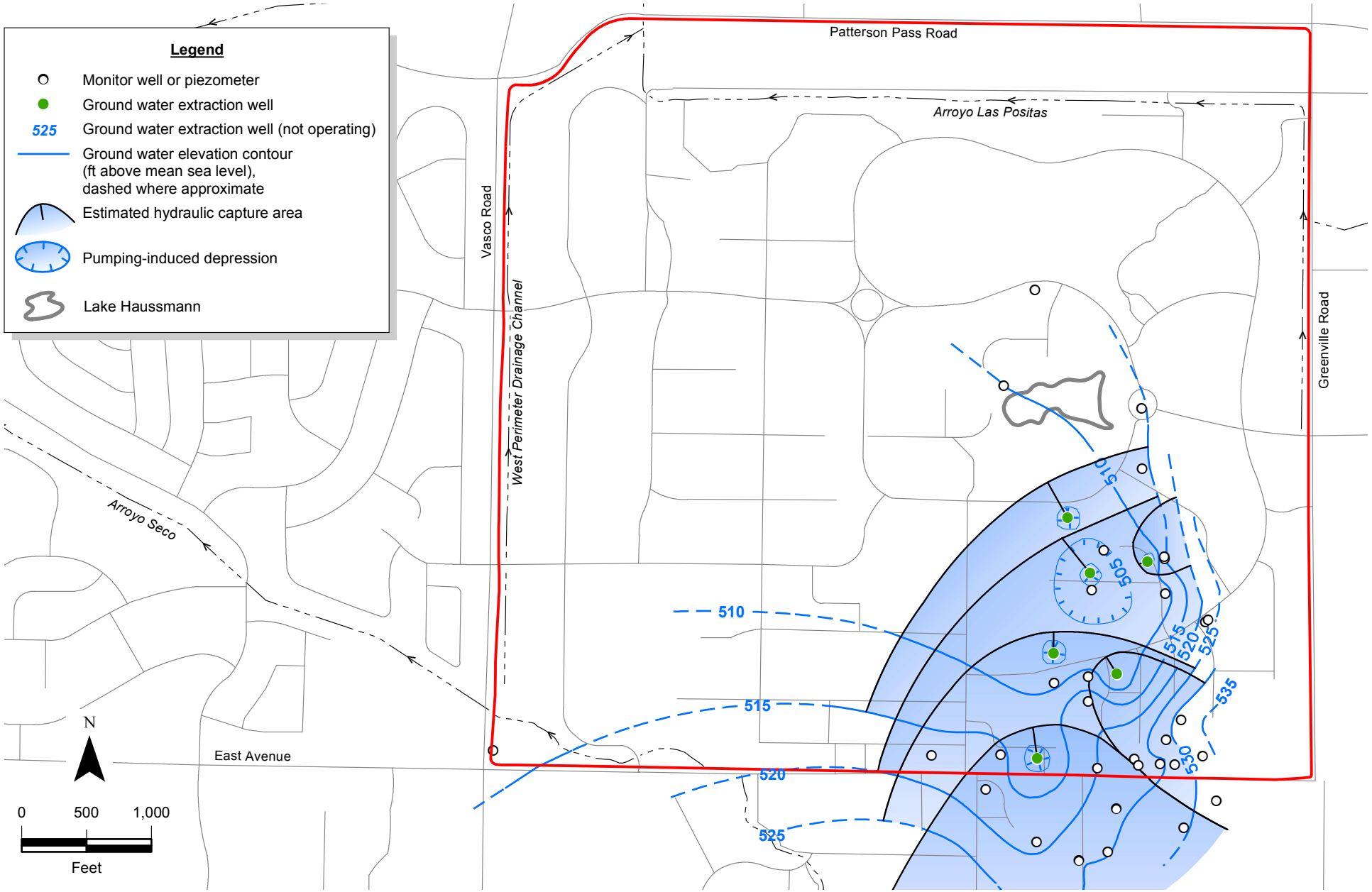


Figure 7. Ground water elevation contour map based on 39 wells completed within HSU-5 showing estimated hydraulic capture areas, LLNL and vicinity, second quarter 2015.